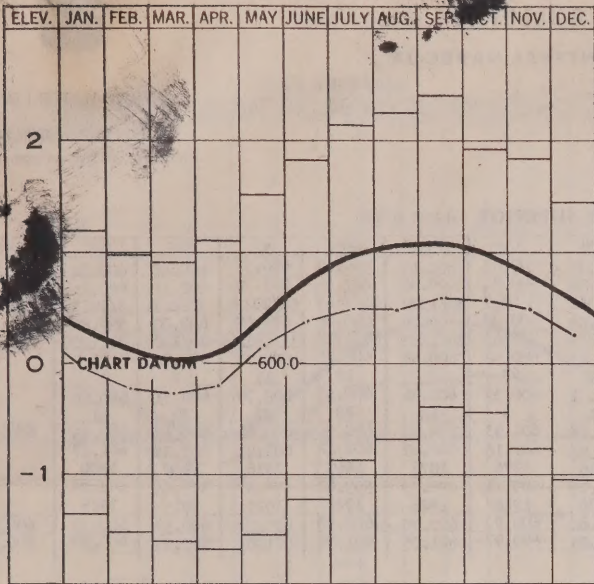


LAKE SUPERIOR



CANADA

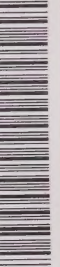
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

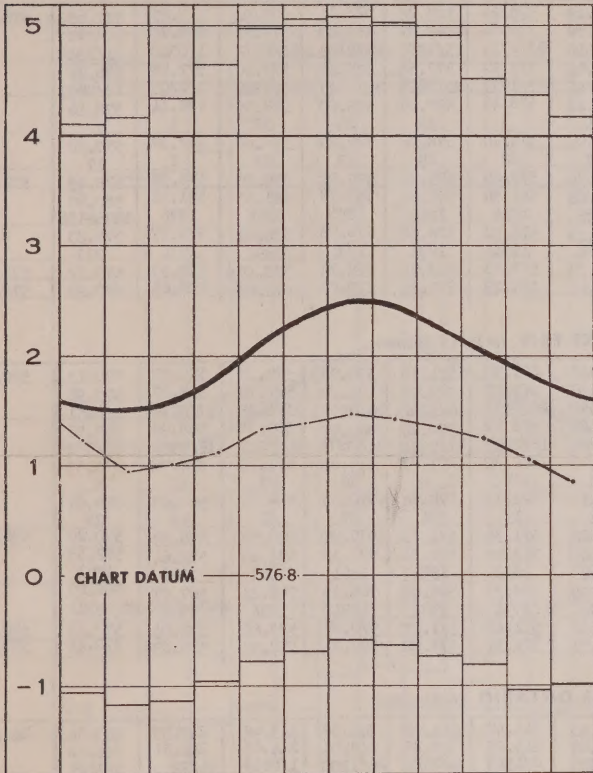
1961

Maximum	_____	PERIOD OF RECORD
Minimum	_____	
Mean	_____	
Mean	_____	
		MONTHLY

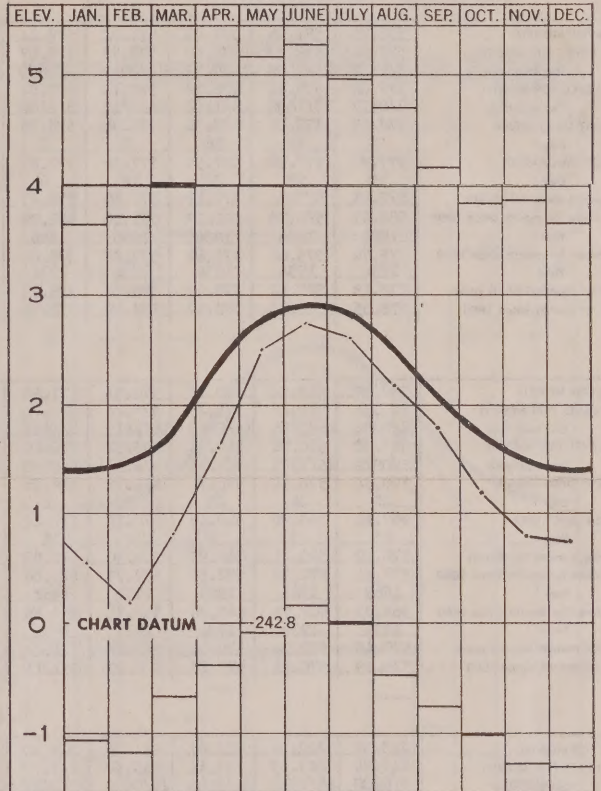
3 1761 11412022 3



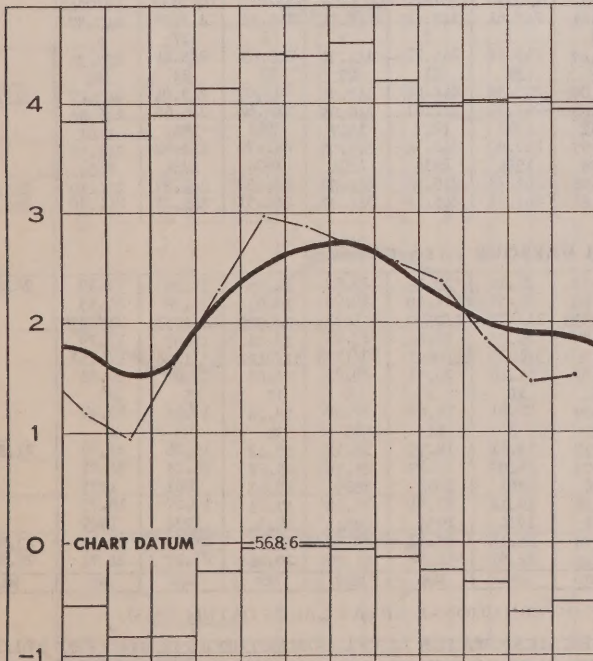
LAKE HURON



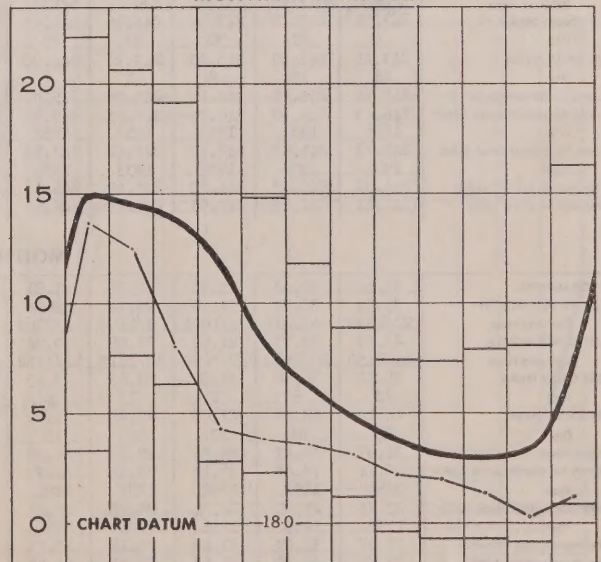
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.



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JAN 25 1962

WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1961

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.35	599.79	599.75	599.30	600.17	600.39	600.49	600.47	600.59	600.57	600.43	600.24	600.22
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76	600.84	600.98	601.08	601.19	601.21	600.74	
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306	12/1312	28/1616	30/1329	24/1613	10/2023	3/0247	3/1911	
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68	600.08	600.06	600.06	600.07	600.00	599.80	
Day and Hour	17/0835	18/2235	4/2153	16/1342	14/1427	1/0035	3/0343	30/1225	27/1722	31/1614	29/2205	31/1200	
HIGHEST DAILY MEAN	600.16	599.86	599.89	599.99	600.34	600.52	600.58	600.56	600.71	600.71	600.74	600.48	
Day	5	13	2	29	19	27	27	1	17	11	2	3	
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31	600.39	600.36	600.40	600.39	600.31	600.00	
Day	24	18	15	1	2	1	3	12	28	31	26	31	
Last year's mean for month	600.38	600.11	599.90	599.99	600.73	601.05	601.03	601.03	600.95	600.64	600.48	600.26	600.55
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94	601.85	601.47	
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900	1900	
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57	599.24	598.95	
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925	
Mean for month - last 10 years	600.20	599.99	599.85	599.92	600.31	600.64	600.90	600.98	600.98	600.81	600.59	600.35	600.46
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75	600.97	601.05	601.09	601.01	600.83	600.57	600.62

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	578.05	577.76	577.83	577.94	578.14	578.18	578.26	578.22	578.14	578.04	577.85	577.65	578.00
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78	578.66	578.82	579.00	578.78	578.75	578.70	
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010	23/1716	15/1850	27/2308	13/2372	1/0540	14/2349	
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64	577.87	577.54	577.47	577.40	577.08	576.77	
Day and Hour	17/0517	13/1600	6/1142	24/0848	6/2100	1/1741	23/1933	30/1628	30/2343	28/1316	2/2205	12/0953	
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.38	578.42	578.46	578.49	578.60	578.35	578.14	578.16	
Day	8	25	16	2	2	24	3	15	28	31	1	7	
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04	578.10	578.06	577.79	577.68	577.39	577.30	
Day	15	13	22	16	6	7	22	23	13	23	2	17	
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74	579.09	579.20	579.02	578.80	578.58	578.45	578.28
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33	581.18	580.99	
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876	1876	1876
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13	576.22	576.18	576.08	576.01	575.77	575.83	
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79	578.95	578.90	578.72	578.49	578.50	578.12	578.46
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15	579.29	579.24	579.06	578.85	578.65	578.47	578.80

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.58	571.48	571.30	571.16	570.98	570.45	570.07	570.13	570.63
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27	572.28	572.93	574.19	571.79	570.57	573.96	
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655	23/1950	24/0133	6/1222	26/0207	31/1628	17/0210	5/0951	
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85	570.72	570.24	569.90	569.37	568.98	568.57	
Day and Hour	15/0829	25/1945	3/1215	16/2132	18/0530	14/1226	16/2203	21/0324	24/0607	20/0345	16/0530	23/0929	
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93	571.60	571.62	572.00	571.15	570.96	571.83	
Day	22	26	28	2	2	23	2	6	26	31	17	5	
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13	571.17	570.64	570.59	569.90	569.63	569.01	
Day	15	3	8	12	11	14	13	21	29	22	19	23	
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26	571.38	571.21	570.92	570.59	570.53	570.20	570.66
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63	572.64	572.55	
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	1861	1861	1861
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24	567.97	568.07	
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52	571.47	571.27	570.67	570.66	570.63	570.42	570.91
Mean for month - since 1860	570.33	570.11	570.27	570.79	571.11	571.20	571.31	571.08	570.81	570.59	570.49	570.46	570.74

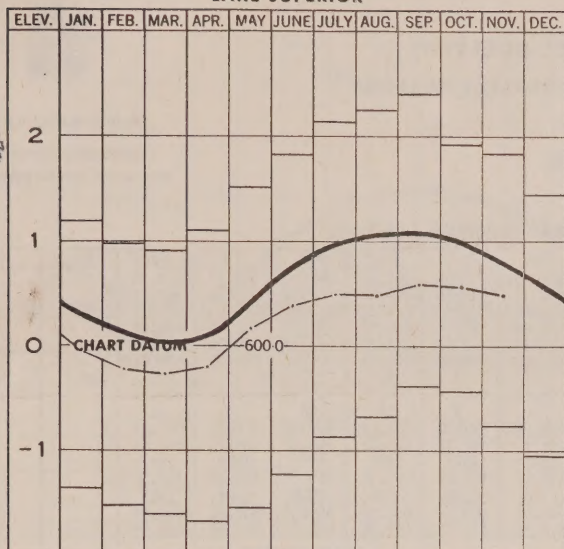
LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53	245.40	244.97	244.58	243.98	243.59	243.54	244.27
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01	245.85	245.35	245.04	244.65	244.51	244.40	
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013	23/1837	2/1549	6/2324	26/1100	1/0618	16/2255	5/1107	
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17	245.11	244.59	244.15	243.55	243.22	243.18	
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832	31/0710	28/1820	12/1720	22/0343	16/1030	19/0944	
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61	245.61	245.19	244.84	244.44	243.78	243.87	
Day	4	27	30	29	27	2	3	3	2	1	17	5	
LOWEST DAILY MEAN	243.11	242.90	243.23	243.39	244.96	245.47	245.18	244.71	244.34	243.63	243.45	243.35	
Day	26	18	8	1	1	1	31	21	25	22	22	24	
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00	245.56	244.83	243.36	243.09	243.04	243.27	243.84
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64	246.65	246.44	
Year	1886	1886	1952	1952	1952	1947	1947	1947	1861	1861	1861	1861	
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79	241.52	241.50	
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	244.37	244.43	244.80	245.49	246.14	246.05	245.77	245.30	244.89	244.50	244.37	244.19	245.01
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68	245.61	245.28	244.87	244.51	244.27	244.20	244.86

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57	21.10	20.19	20.00	19.36	18.28	19.20	22.65
HIGH LEVEL FOR MONTH	35.34	32.71	31.53	23.72	23.56	22.10	21.51	21.10	20.95	19.93	18.78	20.53	
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920	14/1730	1/0100	2/1435	3/0005	24/1051	21/0830	
LOW LEVEL FOR MONTH	23.53	28.17	21.52	21.06	20.84	20.99	20.75	19.64	19.25	18.06	17.67	17.79	
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1112	29/1700	3/1630	15/0601	30/1739	31/2122	3/1726	4/1158	
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02	21.46	20.91	20.83	19.63	18.63	20.38	
Day	22	6	1	1	4	2	14	1	2	12	25	20	
LOWEST DAILY MEAN	24.13	28.49	21.63	21.26	21.02	21.07	20.91	19.69	19.37	18.28	17.95	17.92	
Day	14	20	27	10	13	29	3	14	19	31	19	4	
Last year's mean for month	35.69	37.47	25.86	27.29	26.33	20.77	19.61	18.95	18.53	18.42	19.76	21.79	21.88
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82	26.05	34.21	
Year	1886	1890	1890	1837	1876	1876	1861	1861	1869	1861	1861	1875	
Min. mean for month since 1860	21.25	25.61	24.31	20.78	20.21	19.46	19.12	17.51	17.22	17.21	17.07	18.73	
Year	1932	1935	1936	1931	1958	1941	1934	1934	1934	1934	1934	1949	
Mean for month - last 10 years	30.47	32.87	27.68	25.16	23.13	21.78	21.15	20.32	19.93	19.76	19.93	21.18	23.60
Mean for month - since 1860	32.99	32.40	31.68	29.71	25.98	24.24	22.67	21.67	21.07	20.94	21.17	24.74	25.80
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

LAKE SUPERIOR



CANADA

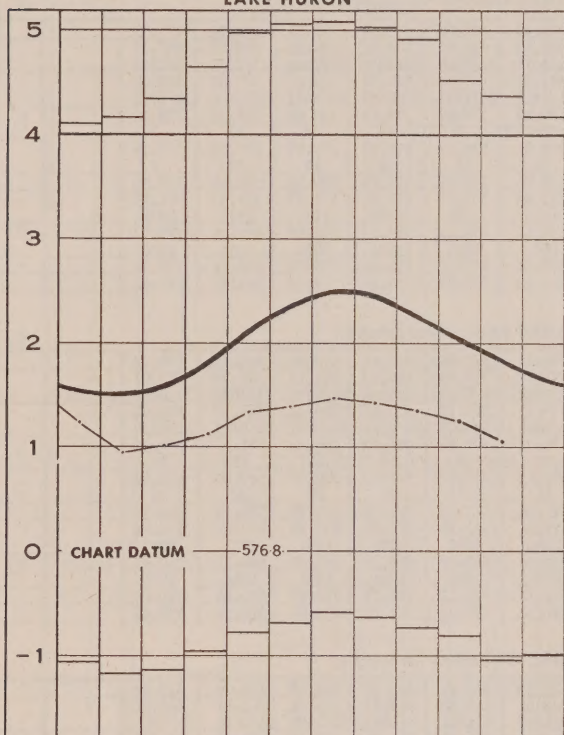
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

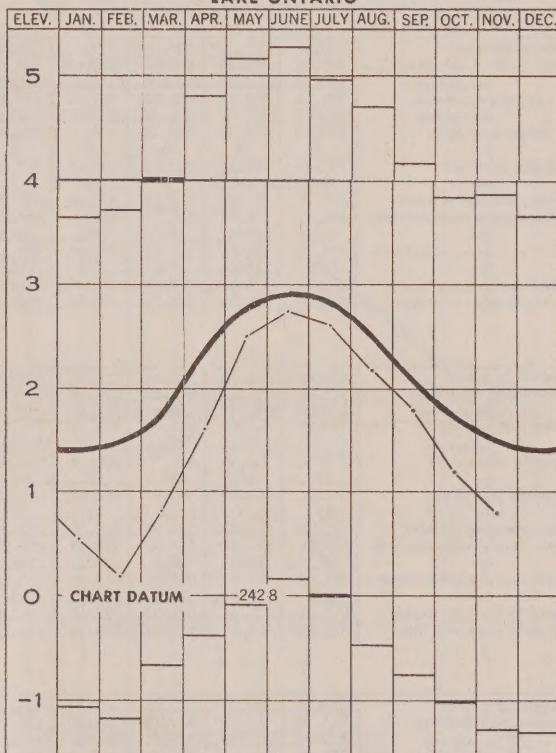
1961

Maximum	-----	PERIOD OF RECORD MONTHLY
Minimum	-----	
Mean	-----	
Mean	-----	

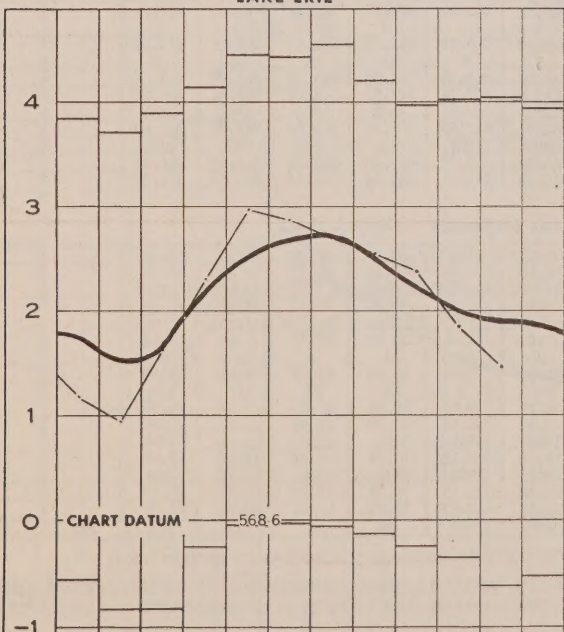
LAKE HURON



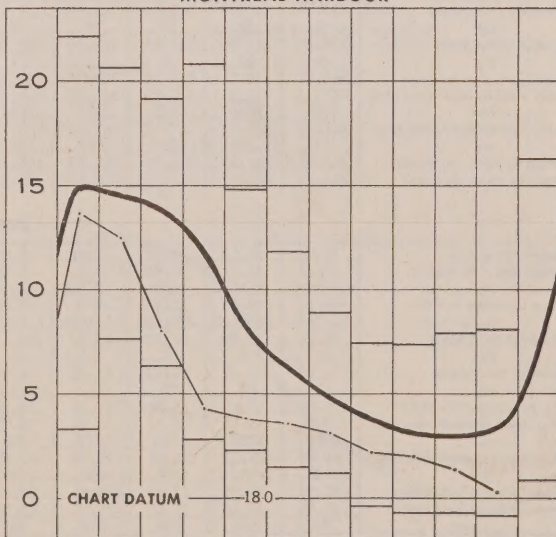
LAKE ONTARIO



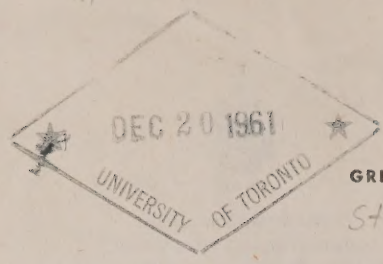
LAKE ERIE



MONTREAL HARBOUR



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.



WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River.



INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1961

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.95	599.79	599.75	599.80	600.17	600.37	600.49	600.47	600.59	600.57	600.48		
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76	600.84	600.98	601.08	601.19	601.21		
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306	12/1312	28/1616	30/1329	24/1613	10/2023	3/0247		
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68	600.08	600.06	600.06	600.07	600.00		
Day and Hour	17/0835	18/2235	4/2153	16/1342	14/1427	1/0035	3/0343	30/1225	27/1722	31/1614	29/2205		
HIGHEST DAILY MEAN	600.16	599.86	599.89	599.99	600.34	600.52	600.58	600.56	600.71	600.71	600.74		
Day	5	13		29	19	27	27	1	17	11	2		
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31	600.39	600.36	600.40	600.39	600.31		
Day	24	18	15	1	2	1	3	12	28	31	26		
Last year's mean for month	600.38	600.11	599.90	599.99	600.73	601.05	601.03	601.03	600.95	600.64	600.48		
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94	601.85		
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900		
Min. mean for month since 1860	598.66	598.48	598.40	598.23	598.46	598.79	599.14	599.33	599.62	599.57	599.24		
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925		
Mean for month - last 10 years	600.20	599.99	599.85	599.92	600.31	600.64	600.90	600.98	600.98	600.81	600.59		
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75	600.97	601.05	601.09	601.01	600.83		

LAKE HURON (at Goderich)

MEAN FOR MONTH	578.05	577.76	577.83	577.94	578.14	578.18	578.26	578.22	578.14	578.04	577.85		
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78	578.66	578.82	579.00	578.78	578.75		
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010	23/1716	15/1850	27/2308	13/2372	1/0540		
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64	577.87	577.54	577.47	577.40	577.08		
Day and Hour	17/0517	13/1600	6/1142	24/0843	6/2100	1/1741	23/1933	30/1628	30/2343	28/1316	2/2205		
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.38	578.42	578.46	578.49	578.60	578.35	578.14		
Day	8	25	16	2	2	24	3	15	28	31	1		
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04	578.10	578.06	577.79	577.68	577.39		
Day	15	13	22	16	6	7	22	28	13	23	2		
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74	579.09	579.20	579.02	578.80	578.58		
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33	581.18		
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876		
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13	576.22	576.18	576.08	576.01	575.77		
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79	578.95	578.90	578.72	578.49	578.50		
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15	579.29	579.24	579.06	578.85	578.65		

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.58	571.48	571.30	571.16	570.98	570.45	570.07		
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27	572.28	572.93	574.19	571.79	573.07		
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655	23/1950	24/0133	6/1222	26/0207	31/1628	17/0210		
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85	570.72	570.24	569.90	569.37	568.98		
Day and Hour	15/0429	25/1945	8/1215	16/2132	18/0530	14/1226	16/2203	21/0324	24/0607	20/0345	16/0530		
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93	571.60	571.62	572.00	571.15	570.96		
Day	22	26	28	2	2	23	2	6	26	31	17		
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13	571.17	570.64	570.59	569.90	569.63		
Day	15	3	8	12	11	14	13	21	29	22	19		
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26	571.38	571.21	570.92	570.59	570.53		
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63	572.64		
Year	1863	1863	1863	1863	1862	1860	1862	1861	1861	1861	1861		
Min. mean for month since 1860	568.03	567.75	567.76	568.34	569.55	568.56	568.53	568.46	568.35	568.24	567.97		
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52	571.47	571.27	570.67	570.66	570.63		
Mean for month - since 1860	570.33	570.11	570.27	570.79	571.11	571.30	571.31	571.08	570.81	570.59	570.49		

LAKE ONTARIO (at Kingston)

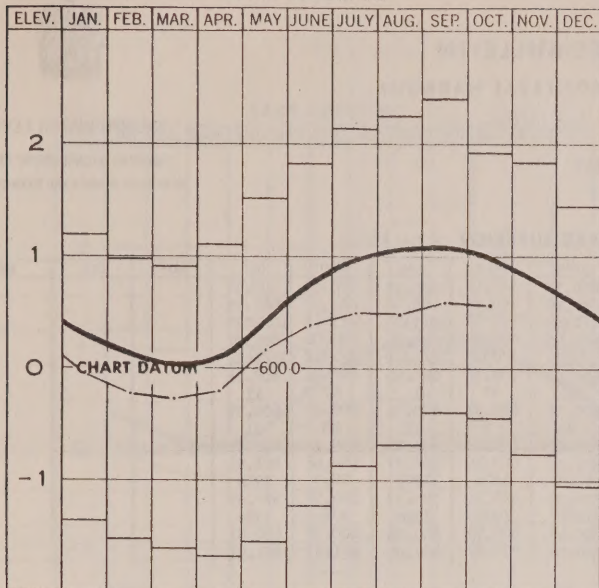
MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53	245.40	244.97	244.58	243.98	243.59		
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01	245.85	245.33	245.04	244.65	244.51		
Day and Hour	8/0200	26/1950	23/2100	26/0800	15/2013	23/1837	2/1549	6/2324	26/1100	1/0618	16/2255		
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17	245.11	244.59	244.15	243.55	243.22		
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832	31/0710	28/1820	12/1720	22/0343	16/1030		
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61	245.61	245.19	244.84	244.44	243.78		
Day	4	27	30	29	27	2	3	3	2	4	17		
LOWEST DAILY MEAN	243.11	242.80	243.23	243.39	244.86	245.47	245.18	244.71	244.34	243.63	243.45		
Day	26	18	8	1	1	1	31	21	25	22	22		
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00	245.56	244.88	243.36	243.09	243.04		
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64	246.65		
Year	1886	1886	1952	1952	1952	1947	1947	1947	1947	1861	1861		
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79	241.52		
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934		
Mean for month - last 10 years	244.37	244.43	244.80	245.49	246.14	246.05	245.77	245.30	244.89	244.50	244.37		
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68	245.61	245.28	244.87	244.51	244.27		

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57	21.10	20.19	20.00	19.36	18.28		
HIGH LEVEL FOR MONTH	35.34	32.71	31.53	23.72	23.56	22.10	21.51	21.10	20.95	19.93	18.78		
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920	14/1730	1/0100	2/1435	3/0005	24/1051		
LOW LEVEL FOR MONTH	23.53	28.17	21.52	21.06	20.84	20.99	20.75	19.64	19.25	18.06	17.67		
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1112	29/1700	3/1630	15/0601	30/1739	31/2122	3/1726		
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02	21.46	20.91	20.83	19.63	18.63		
Day	22	6	1	1	4	2	14	1	2	12	25		
LOWEST DAILY MEAN	24.13	23.49	21.63	21.26	21.02	21.07	20.91	19.69	19.37	18.28	17.95		
Day	14	20	10	10	13	29	3	14	19	31	19		
Last year's mean for month	35.69	37.47	25.86	27.20	26.33	20.77	19.61	18.95	18.53	18.42	19.76		
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82	26.05		
Year	1886	1880	1890	1887	1876	1876	1861	1861	1869	1861	1861		
Min. mean for month since 1860	21.25	25.61	24.31	20.78	20.21	19.46	19.12	17.51	17.22	17.21	17.07		
Year	1932	1935	1936	1931	1958	1941	1934	1934	1934	1934	1934		
Mean for month - last 10 years	30.47	32.87	27.68	25.16	23.13	21.78	21.15	20.32	19.93	19.76	19.93		
Mean for month - since 1860	32.89	32.40	31.68	29.71	25.98	24.24	22.67	21.67	21.07	20.94	21.17		

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).
THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

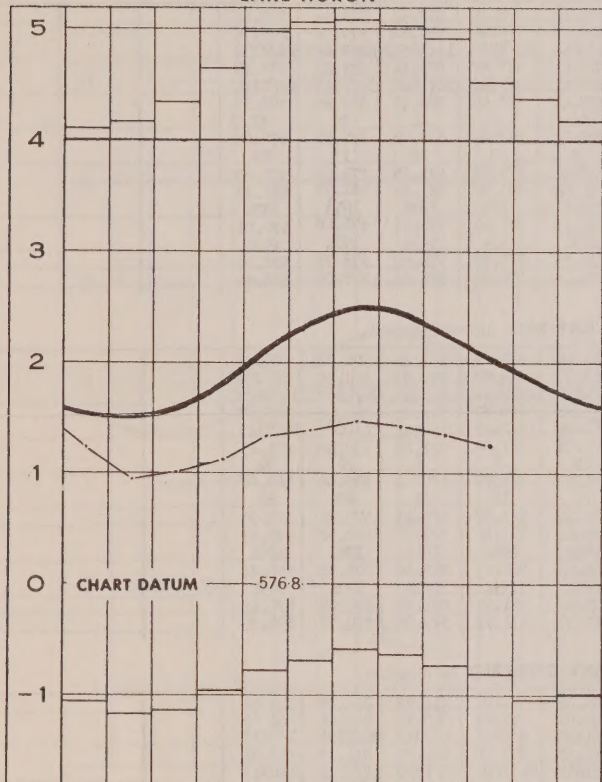
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

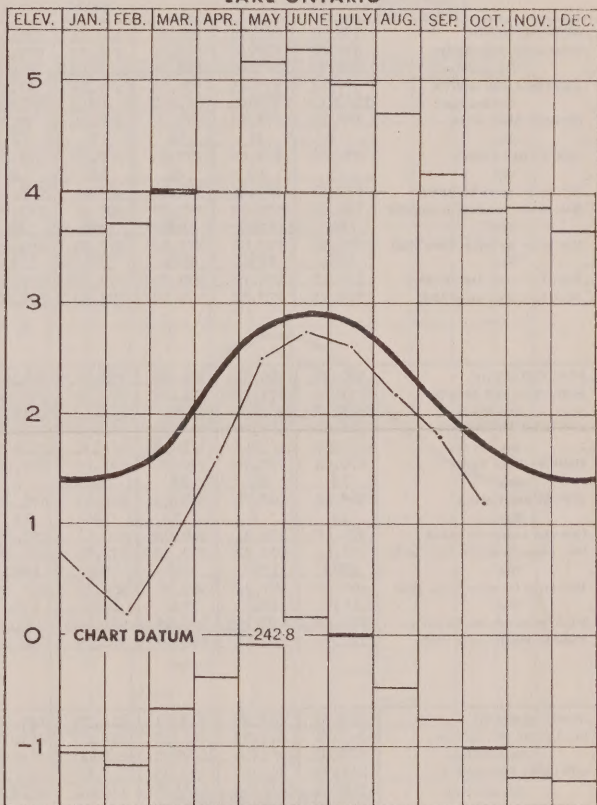
1961

Maximum	-----	PERIOD OF RECORD MONTHLY
Minimum	-----	
Mean	-----	
Mean	-----	

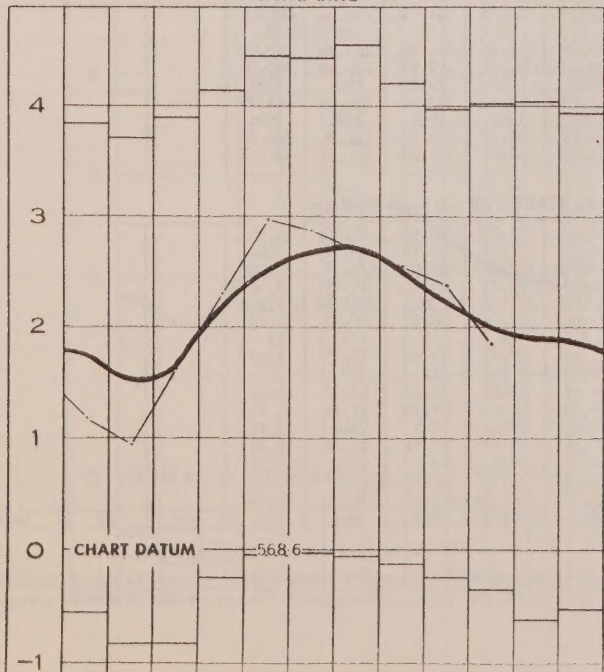
LAKE HURON



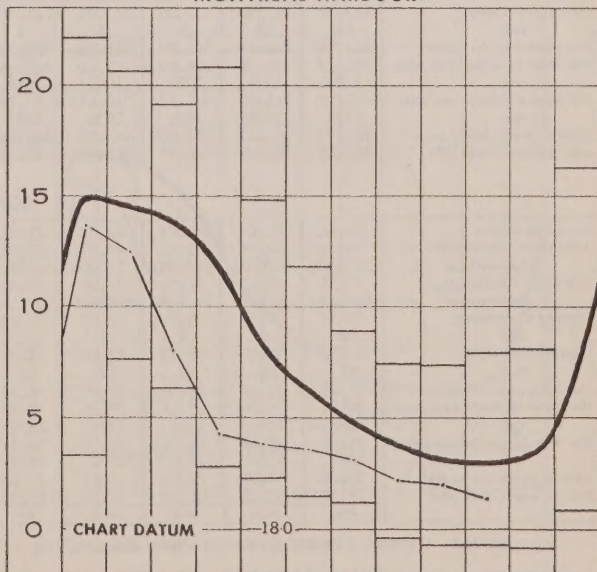
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.

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WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River.



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1961

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.95	599.79	599.75	599.80	600.17	600.39	600.49	600.47	600.59	600.57			
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76	600.84	600.98	601.08	601.19			
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306	12/1312	28/1616	30/1329	24/1613	10/2023			
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68	600.08	600.06	600.06	600.07			
Day and Hour	17/0835	13/2235	4/2153	16/1242	14/1427	1/0035	3/0343	30/1225	27/1722	31/1614			
HIGHEST DAILY MEAN	600.16	599.86	599.89	599.99	600.34	600.52	600.58	600.56	600.71	600.71			
Day	5	13	2	29	19	27	27	1	17	11			
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31	600.39	600.36	600.40	600.39			
Day	24	18	15	1	2	1	3	12	28	31			
Last year's mean for month	600.38	600.11	599.90	599.99	600.73	601.05	601.03	601.03	600.95	600.64			
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94			
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916			
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57			
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925			
Mean for month - last 10 years	600.20	599.99	599.85	599.92	600.31	600.64	600.90	600.98	600.98	600.81			
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75	600.97	601.05	601.09	601.01			

LAKE HURON (at Goderich)

MEAN FOR MONTH	578.05	577.76	577.83	577.94	578.14	578.18	578.26	578.22	578.14	578.04			
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78	578.66	578.32	579.00	578.78			
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010	23/1716	15/1850	27/2308	13/2372			
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64	577.87	577.54	577.47	577.40			
Day and Hour	17/0517	13/1600	6/1142	24/0848	6/2100	1/1741	23/1933	30/1628	30/2343	28/1316			
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.28	578.42	578.46	578.49	578.60	578.35			
Day	8	25	16	2	2	24	3	15	28	31			
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04	578.10	578.06	577.79	577.68			
Day	15	13	22	16	6	7	22	28	13	23			
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74	579.09	579.20	579.02	578.80			
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33			
Year	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876			
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13	576.22	576.18	576.08	576.01			
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934			
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79	578.95	578.90	578.72	578.49			
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15	579.29	579.24	579.06	578.85			

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.52	571.48	571.30	571.16	570.98	570.45			
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27	572.28	572.93	574.19	571.79			
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655	23/1950	24/0133	6/1222	26/0207	31/1628			
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85	570.72	570.24	569.90	569.37			
Day and Hour	15/0829	25/1945	3/1215	16/2132	18/0530	14/1226	16/2203	21/0324	24/0807	20/0345			
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93	571.60	571.62	572.00	571.15			
Day	22	26	28	2	2	23	6	2	31	31			
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13	571.17	570.64	570.59	569.90			
Day	15	3	8	12	11	14	13	21	29	22			
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26	571.38	571.21	570.92	570.59			
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63			
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861			
Min. mean for month since 1860	568.03	567.75	567.76	568.34	567.55	568.56	568.53	568.46	568.35	568.24			
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934			
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52	571.47	571.27	570.67	570.66			
Mean for month - since 1860	570.33	570.11	570.27	570.79	571.11	571.30	571.31	571.08	570.31	570.59			

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53	245.40	244.97	244.58	243.98			
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01	245.85	245.35	245.04	244.65			
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013	23/1837	2/1549	6/2324	26/1100	1/0618			
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17	245.11	244.59	244.15	243.55			
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832	31/0710	28/1820	12/1720	22/0343			
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61	245.61	245.19	244.84	244.44			
Day	4	27	30	29	27	2	3	3	2	1			
LOWEST DAILY MEAN	243.11	242.90	243.23	243.39	244.86	245.47	245.18	244.71	244.34	243.63			
Day	26	18	8	1	1	1	31	21	25	22			
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00	245.56	244.83	243.36	243.09			
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64			
Year	1836	1836	1952	1952	1952	1952	1947	1947	1947	1861			
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79			
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934			
Mean for month - last 10 years	244.37	244.43	244.80	245.49	246.14	246.05	245.77	245.30	244.89	244.50			
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68	245.61	245.28	244.87	244.51			

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57	21.10	20.19	20.00	19.36			
HIGH LEVEL FOR MONTH	35.24	32.71	31.53	23.72	23.56	22.10	21.51	21.10	20.95	19.93			
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920	14/1730	1/0100	2/1435	3/0005			
LOW LEVEL FOR MONTH	23.53	29.17	21.52	21.06	20.24	20.99	20.75	19.64	19.25	18.06			
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1112	29/1700	3/1639	15/0601	30/1739	31/2122			
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02	21.46	20.91	20.83	19.63			
Day	22	6	1	1	4	2	14	1	2	12			
LOWEST DAILY MEAN	24.13	24.49	21.63	21.26	21.02	21.07	20.91	19.69	19.37	18.28			
Day	14	20	27	10	13	29	3	14	19	31			
Last year's mean for month	35.69	37.47	25.86	27.29	26.33	20.77	19.61	18.95	18.53	18.42			
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82			
Year	1886	1890	1890	1937	1876	1876	1861	1861	1869	1861			
Min. mean for month since 1860	21.25	25.61	24.71	20.78	20.21	19.46	19.12	17.51	17.22	17.21			
Year	1932	1935	1936	1931	1958	1941	1934	1934	1934	1934			
Mean for month - last 10 years	30.47	32.87	27.63	25.16	23.13	21.78	21.15	20.32	19.93	19.76			
Mean for month - since 1860	32.79	32.40	31.68	29.71	25.98	24.24	22.67	21.67	21.07	20.54			

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

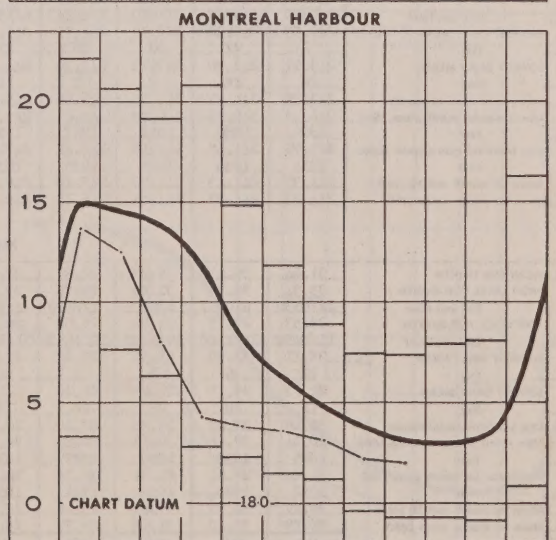
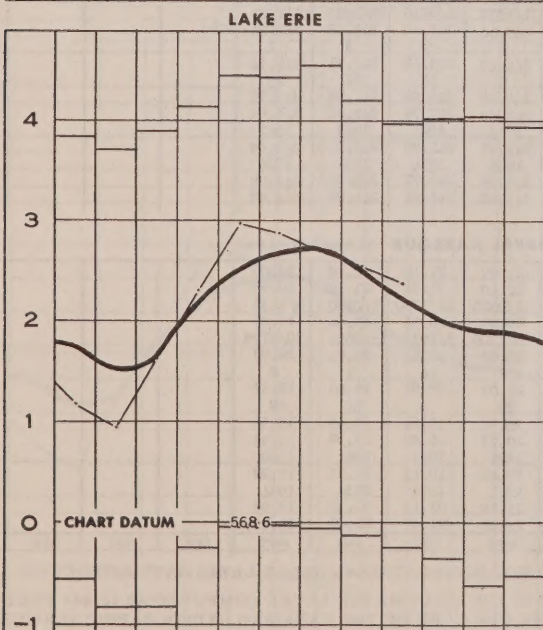
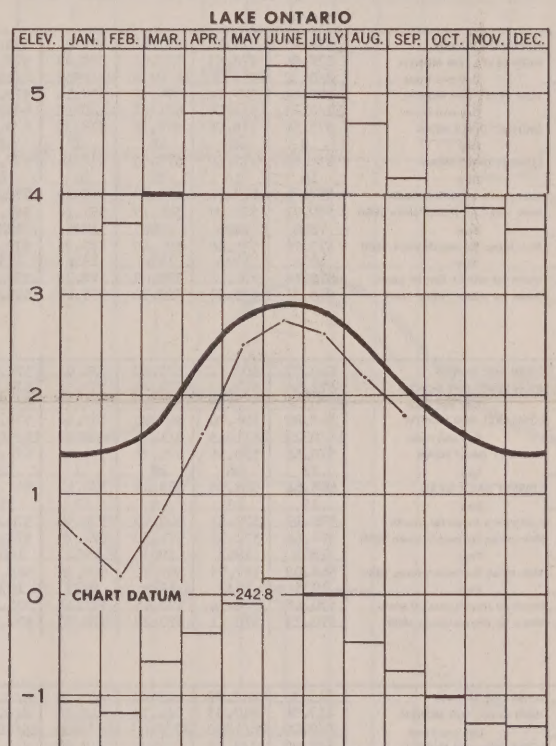
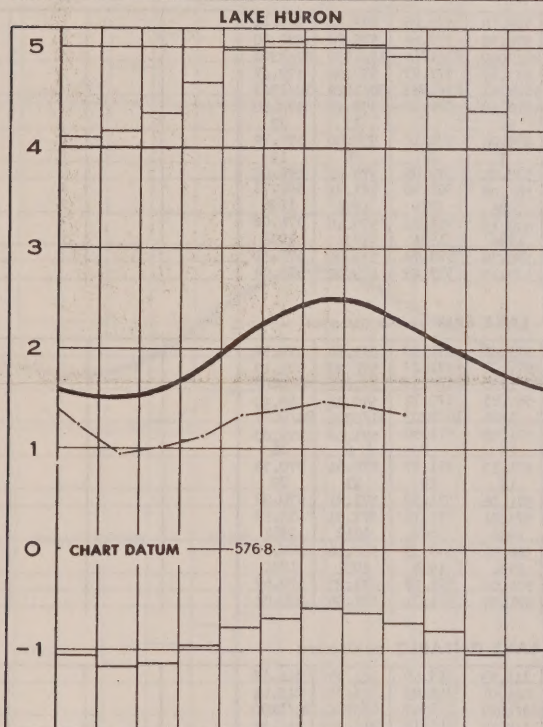
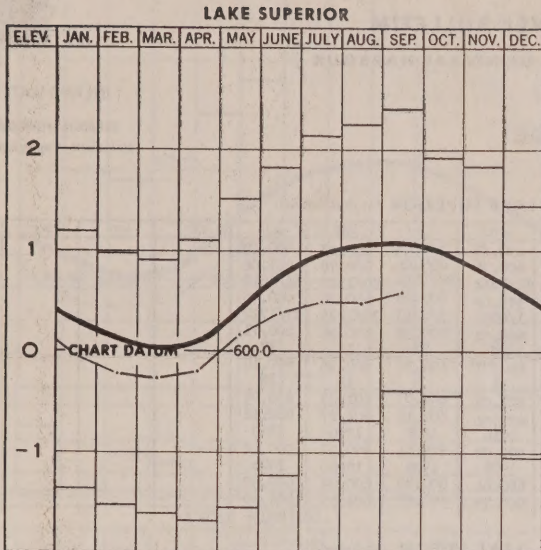


INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS
GREAT LAKES AND MONTREAL HARBOUR

1961

Maximum	_____	PERIOD OF RECORD
Minimum	_____	
Mean	_____	
Mean	_____	
		MONTHLY



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.



9-D

WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR
St. Lawrence River.

1961

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.95	599.79	599.75	599.80	600.17	600.39	600.49	600.47	600.59				
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76	600.84	600.98	601.08				
Day and Hour	6/0600	11/0315	5/1020	21/1339	14/1306	12/1312	28/1616	30/1329	24/1613				
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68	600.08	600.06	600.06				
Day and Hour	17/0835	18/2235	4/2153	16/1242	14/1427	1/0035	3/0343	30/1225	27/1722				
HIGHEST DAILY MEAN	600.16	599.86	599.89	599.99	600.34	600.52	600.58	600.56	600.71				
Day	5	13	2	29	19	27	27	1	17				
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31	600.39	600.36	600.40				
Day	24	18	15	1	2	1	3	12	28				
Last year's mean for month	600.38	600.11	599.90	599.99	600.73	601.05	601.03	601.03	600.95				
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42				
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869				
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62				
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926				
Mean for month - last 10 years	600.20	599.99	599.25	599.92	600.31	600.64	600.90	600.38	600.98				
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75	600.97	601.05	601.09				

LAKE HURON (at Goderich)

MEAN FOR MONTH	578.05	577.76	577.83	577.94	578.14	578.18	578.26	578.22	578.14				
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78	578.66	578.82	579.00				
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010	23/1716	15/1850	27/2308				
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64	577.87	577.54	577.47				
Day and Hour	17/0517	13/1600	6/1142	24/0848	6/2100	1/1741	23/1933	30/1628	30/2343				
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.38	578.42	578.46	578.49	578.60				
Day	8	25	16	2	2	24	3	15	28				
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04	578.10	578.06	577.79				
Day	15	13	22	16	6	7	22	28	13				
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74	579.09	579.20	579.02				
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73				
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876				
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13	576.22	576.18	576.08				
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934				
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79	578.95	578.90	578.72				
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15	579.29	579.24	579.06				

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.58	571.48	571.30	571.16	570.98				
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27	572.28	572.93	574.19				
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655	23/1950	24/0133	6/1222	26/0207				
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85	570.72	570.24	569.90				
Day and Hour	15/0829	25/1945	8/1215	16/2132	18/0530	14/1226	16/2203	21/0324	24/0607				
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93	571.60	571.62	572.00				
Day	22	26	28	2	2	23	2	6	26				
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13	571.17	570.64	570.59				
Day	15	3	8	12	11	14	13	21	29				
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26	571.38	571.21	570.92				
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58				
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861				
Min. mean for month since 1860	568.03	567.75	567.76	568.34	569.55	568.56	568.53	568.46	568.35				
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934				
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52	571.47	571.27	570.67				
Mean for month - since 1860	570.23	570.11	570.27	570.79	571.11	571.30	571.31	571.08	570.31				

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53	245.40	244.97	244.58				
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01	245.85	245.35	245.04				
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013	23/1837	2/1549	6/2324	26/1100				
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17	245.11	244.59	244.15				
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832	31/0710	28/1820	12/1720				
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61	245.61	245.19	244.84				
Day	4	27	30	29	27	3	3	21	2				
LOWEST DAILY MEAN	243.11	242.90	243.23	243.39	244.86	245.47	245.18	244.71	244.34				
Day	26	18	8	1	1	1	31	21	25				
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00	245.56	244.88	243.36				
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95				
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947				
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05				
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934				
Mean for month - last 10 years	244.37	244.43	244.90	245.49	246.14	246.05	245.77	245.30	244.89				
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68	245.61	245.28	244.87				

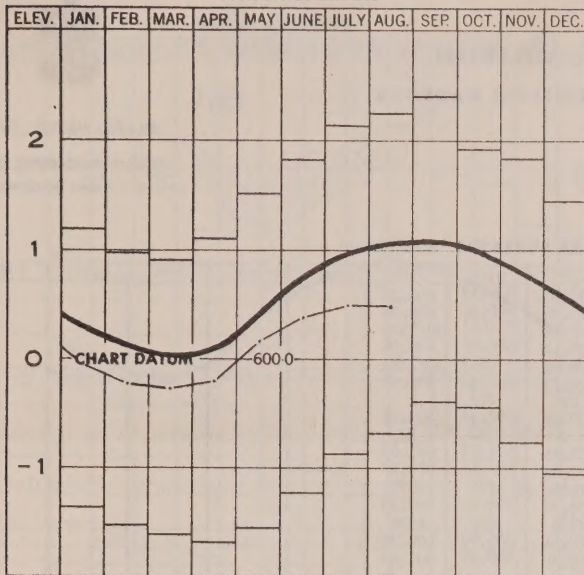
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57	21.10	20.19	20.00				
HIGH LEVEL FOR MONTH	35.34	32.71	31.53	23.72	23.56	22.10	21.51	21.10	20.95				
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920	14/1730	1/0100	2/1435				
LOW LEVEL FOR MONTH	23.53	28.17	21.52	21.06	20.84	20.99	20.75	19.64	19.25				
Day and Hour	14/0250	20/1140	27/1230	10/1618	14/1112	29/1700	3/1630	15/0601	30/1739				
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02	21.46	20.91	20.83				
Day	22	6	1	1	4	2	14	1	2				
LOWEST DAILY MEAN	24.13	23.49	21.63	21.26	21.02	21.07	20.91	19.69	19.37				
Day	14	20	27	10	13	29	3	14	19				
Last year's mean for month	35.69	37.47	25.86	27.29	26.33	20.77	19.61	18.95	18.53				
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38				
Year	1886	1890	1890	1837	1876	1876	1861	1861	1869				
Min. mean for month since 1860	21.25	25.61	24.31	20.78	20.21	19.46	19.12	17.51	17.22				
Year	1932	1935	1956	1931	1953	1941	1934	1934	1934				
Mean for month - last 10 years	30.47	32.87	27.68	25.16	23.13	21.78	21.15	20.32	19.93				
Mean for month - since 1860	32.29	32.40	31.68	29.71	25.98	24.24	22.67	21.67	21.07				
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

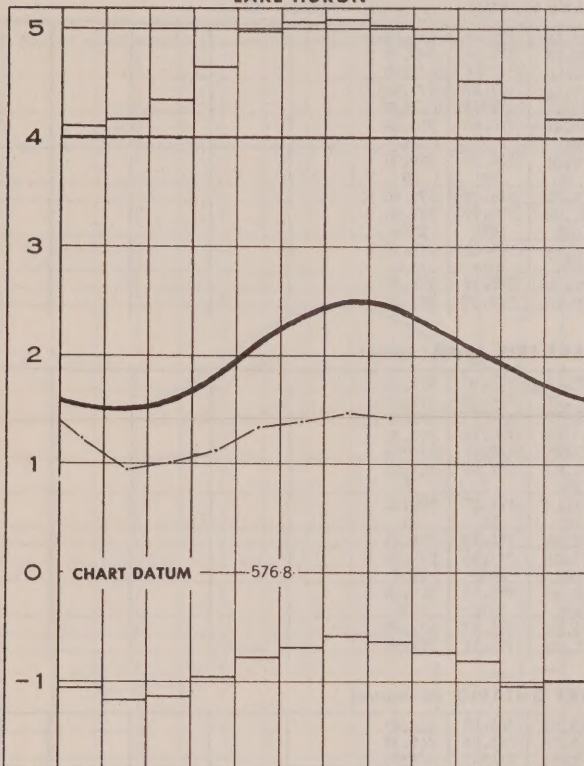
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

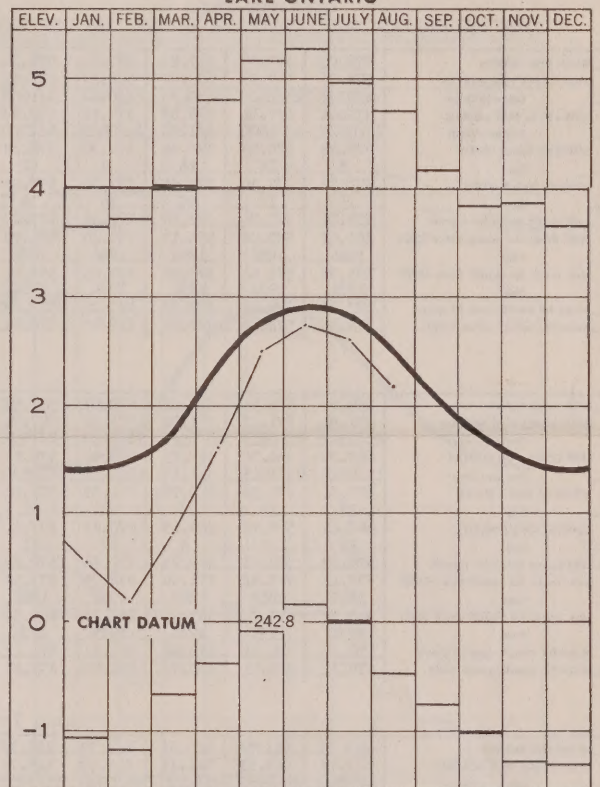
1961

Maximum	_____	PERIOD OF RECORD
Minimum	_____	
Mean	_____	
Mean	_____	
		MONTHLY

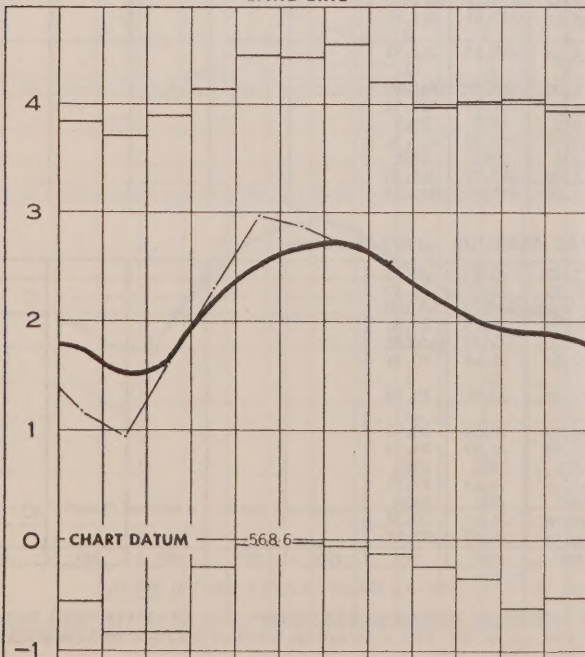
LAKE HURON



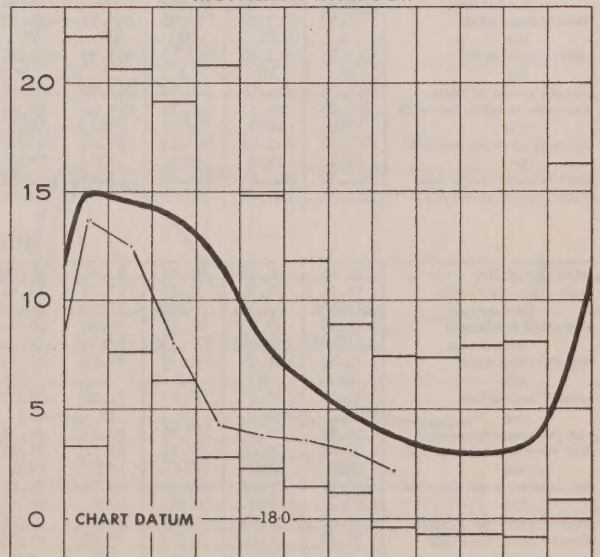
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.

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H

SCI. MED. DIV.

WATER LEVELS BULLETIN
GREAT LAKES AND (MONTREAL HARBOUR)

for the
St. Lawrence River.

1961



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

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UNIVERSITY OF TORONTO

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.95	599.79	599.75	599.80	600.17	600.39	600.49	600.47					
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76	600.84	600.98					
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306	12/1312	28/1416	30/1329					
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68	600.08	600.06					
Day and Hour	17/0835	18/2235	4/2153	16/1342	14/1427	1/0035	3/0343	30/1225					
HIGHEST DAILY MEAN	600.16	599.86	599.89	599.99	600.34	600.52	600.58	600.56					
Day	5	13	2	29	19	27	1	12					
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31	600.39	600.36					
Day	24	18	15	1	2	1	3	12					
Last year's mean for month	600.38	600.11	599.90	599.99	600.73	601.05	601.93	601.03					
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27					
Year	1952	1952	1951	1951	1951	1916	1876	1876					
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33					
Year	1926	1926	1926	1926	1926	1926	1926	1926					
Mean for month - last 10 years	600.20	599.99	599.85	599.92	600.31	600.64	600.90	600.98					
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75	600.97	601.05					

LAKE HURON (at Goderich)

MEAN FOR MONTH	578.05	577.76	577.82	577.94	578.14	578.18	578.26	578.22					
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78	578.66	578.32					
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010	23/1716	15/1850					
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64	577.87	577.54					
Day and Hour	17/0517	13/1600	6/1142	24/0848	6/2100	1/1741	23/1933	30/1628					
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.38	578.42	578.46	578.49					
Day	8	25	16	2	2	24	3	15					
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04	578.10	578.06					
Day	15	13	22	16	6	7	22	28					
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74	579.09	579.20					
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84					
Year	1886	1886	1886	1886	1886	1886	1876	1876					
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13	576.22	576.18					
Year	1934	1934	1934	1934	1934	1934	1934	1934					
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79	578.95	578.90					
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15	579.29	579.24					

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.58	571.48	571.30	571.16					
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27	572.28	572.93					
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655	23/1950	24/0133	6/1222					
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85	570.72	570.24					
Day and Hour	15/0829	25/1945	8/1215	16/2132	18/0530	14/1226	16/2203	21/0324					
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93	571.60	571.62					
Day	22	26	28	2	2	23	2	6					
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13	571.17	570.64					
Day	15	3	8	12	11	14	13	21					
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26	571.38	571.21					
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81					
Year	1863	1863	1863	1952	1862	1860	1862	1862					
Min. mean for month since 1860	568.03	567.75	567.76	568.34	569.55	568.56	568.53	568.46					
Year	1935	1935	1934	1935	1934	1934	1934	1934					
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52	571.47	571.27					
Mean for month - since 1860	570.33	570.11	570.27	570.79	571.11	571.30	571.31	571.08					

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53	245.40	244.97					
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01	245.85	245.35					
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013	23/1837	2/1549	6/2324					
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17	245.11	244.59					
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832	31/0710	28/1820					
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61	245.61	245.19					
Day	4	27	30	29	27	2	3	3					
LOWEST DAILY MEAN	243.11	242.80	243.23	243.39	244.86	245.47	245.18	244.71					
Day	26	18	8	1	1	1	31	21					
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00	245.56	244.83					
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51					
Year	1886	1886	1952	1952	1952	1952	1947	1947					
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34					
Year	1935	1936	1935	1935	1935	1935	1934	1934					
Mean for month - last 10 years	244.37	244.43	244.80	245.49	246.14	246.05	245.77	245.30					
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68	245.61	245.28					

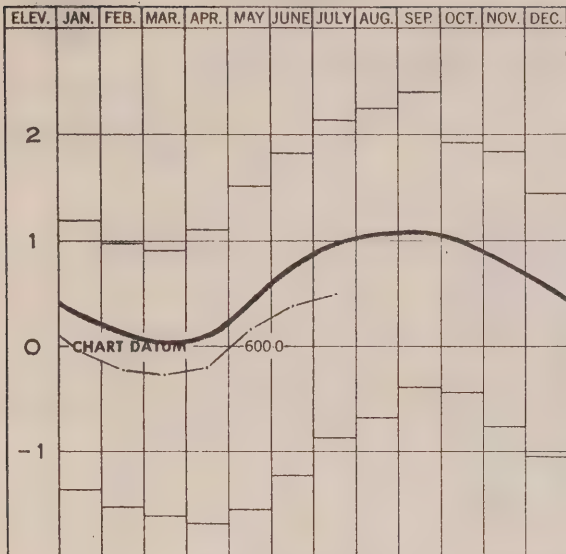
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57	21.10	20.19					
HIGH LEVEL FOR MONTH	35.34	32.71	31.53	23.72	23.56	22.10	21.51	21.10					
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920	14/1730	1/0100					
LOW LEVEL FOR MONTH	23.53	23.17	21.52	21.06	20.84	20.99	20.75	19.64					
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1112	29/1700	3/1630	15/0601					
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02	21.46	20.91					
Day	22	6	1	1	4	2	14	1					
LOWEST DAILY MEAN	24.13	21.49	21.63	21.26	21.02	21.07	20.91	19.69					
Day	14	20	27	10	13	29	3	14					
Last year's mean for month	35.69	37.47	25.86	27.29	26.23	20.77	19.61	18.95					
Max. mean for month since 1860	40.14	38.66	37.12	35.84	32.79	29.73	26.87	25.39					
Year	1886	1890	1890	1937	1876	1876	1861	1861					
Min. mean for month since 1860	21.25	25.61	24.31	20.78	20.21	19.46	19.12	17.51					
Year	1932	1935	1956	1931	1958	1941	1934	1934					
Mean for month - last 10 years	30.47	32.87	27.63	25.16	23.13	21.78	21.15	20.32					
Mean for month - since 1860	32.29	32.40	31.68	29.71	25.98	24.24	22.67	21.67					

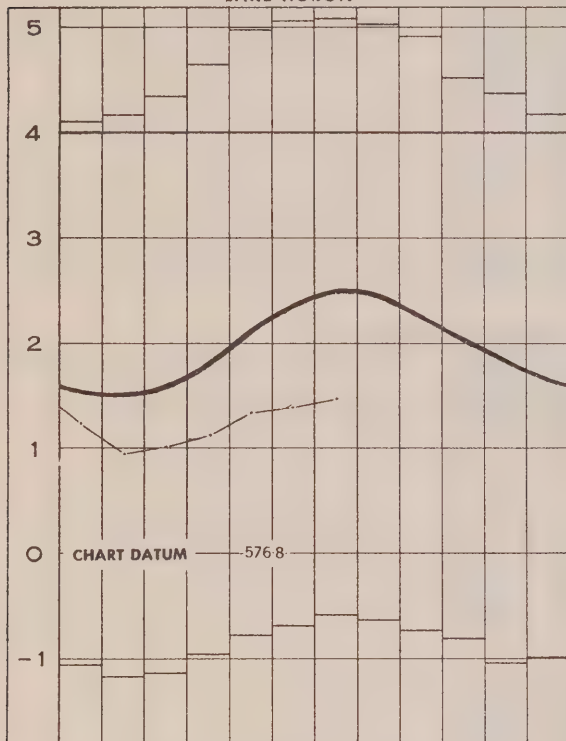
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

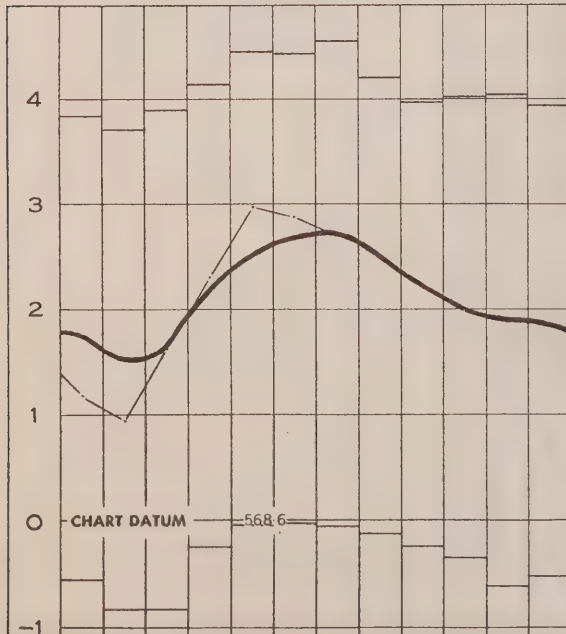
LAKE SUPERIOR



LAKE HURON



LAKE ERIE



CANADA

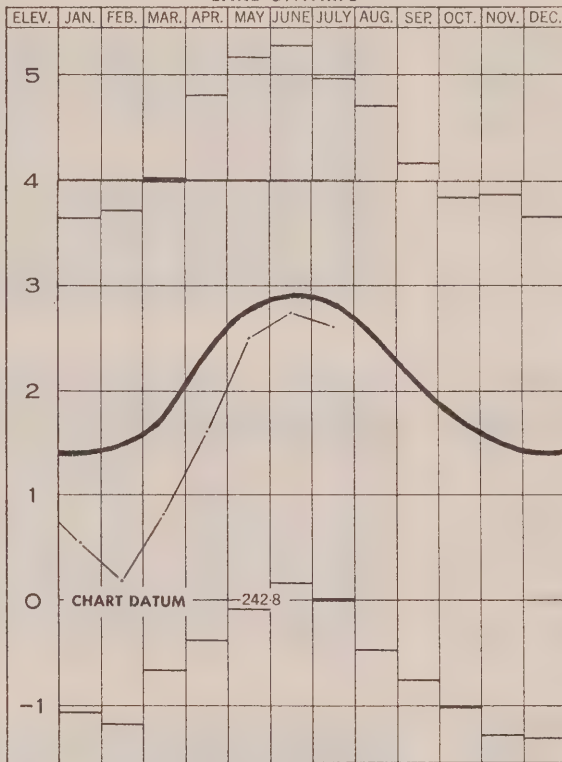
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

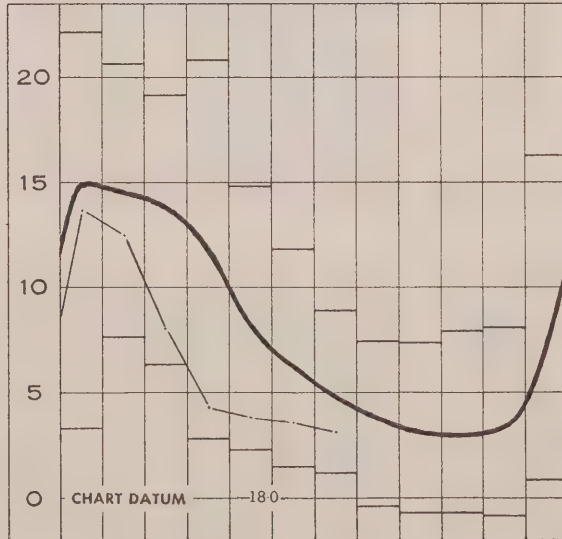
1961

Maximum	-----	PERIOD OF RECORD
Minimum	-----	
Mean	—————	
Mean	-----	
		MONTHLY

LAKE ONTARIO



MONTREAL HARBOUR



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.

WATER LEVELS BULLETIN
GREAT LAKES AND (MONTREAL HARBOUR)

1961

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.95	599.79	599.75	599.80	600.17	600.39	600.49						
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76	600.84						
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306	12/1312	28/1416						
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68	600.08						
Day and Hour	17/0835	18/2235	4/2153	16/1242	14/1427	1/0035	3/0343						
HIGHEST DAILY MEAN	600.16	599.86	599.89	599.99	600.34	600.52	600.58						
Day	5	13	2	29	19	27	27						
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31	600.39						
Day	24	18	15	1	2	1	3						
Last year's mean for month	600.38	600.11	599.90	599.99	600.73	601.05	601.93						
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16						
Year	1952	1952	1951	1951	1951	1916	1876						
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14						
Year	1926	1926	1926	1926	1926	1926	1926						
Mean for month - last 10 years	600.20	599.99	599.85	599.92	600.31	600.64	600.90						
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75	600.97						

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	578.05	577.76	577.83	577.94	578.14	578.18	578.26						
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78	578.66						
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010	23/1716						
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64	577.87						
Day and Hour	17/0517	13/1600	6/1142	24/0848	6/2100	1/1741	23/1933						
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.38	578.42	578.46						
Day	8	25	16	2	2	24	3						
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04	578.10						
Day	15	13	22	16	6	7	22						
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74	579.09						
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90						
Year	1886	1886	1886	1886	1886	1886	1876						
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13	576.22						
Year	1934	1934	1934	1934	1934	1934	1934						
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79	580.71						
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15	579.29						

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.58	571.48	571.30						
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27	572.28						
Day and Hour	22/0902	26/0255	15/0543	16/1413	2/1655	23/1950	24/0133						
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85	570.72						
Day and Hour	15/0829	25/1945	8/1215	16/2132	18/0530	14/1226	16/2203						
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93	571.60						
Day	22	26	28	2	2	23	2						
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13	571.17						
Day	15	3	8	12	11	14	13						
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26	571.38						
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16						
Year	1863	1863	1863	1952	1862	1860	1862						
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53						
Year	1935	1935	1934	1935	1934	1934	1934						
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52	571.47						
Mean for month - since 1860	570.33	570.11	570.27	570.79	571.11	571.30	571.31						

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53	245.40						
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01	245.85						
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013	23/1837	2/1549						
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17	245.11						
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832	31/0710						
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61	245.61						
Day	4	27	30	29	27	2	3						
LOWEST DAILY MEAN	243.11	242.90	243.23	243.39	244.86	245.47	245.18						
Day	26	18	8	1	1	1	31						
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00	245.56						
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76						
Year	1886	1886	1952	1952	1952	1952	1947						
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80						
Year	1935	1936	1935	1935	1935	1935	1934						
Mean for month - last 10 years	244.37	244.43	244.30	245.49	246.14	246.05	245.77						
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68	245.61						

MONTREAL HARBOUR (at King Edward Pier)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57	21.10						
HIGH LEVEL FOR MONTH	35.34	32.71	31.53	23.72	23.56	22.10	21.51						
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920	14/1730						
LOW LEVEL FOR MONTH	23.53	28.17	21.52	21.06	20.84	20.99	20.75						
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1112	29/1700	3/1630						
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02	21.46						
Day	22	6	1	1	4	2	14						
LOWEST DAILY MEAN	24.13	28.49	21.63	21.26	21.02	21.07	20.91						
Day	14	20	27	10	13	29	3						
Last year's mean for month	35.69	37.47	25.86	27.29	26.33	20.77	19.61						
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87						
Year	1886	1890	1890	1897	1876	1876	1861						
Min. mean for month since 1860	21.25	25.61	24.31	20.78	20.21	19.46	19.12						
Year	1932	1935	1956	1931	1958	1941	1934						
Mean for month - last 10 years	30.47	32.87	27.68	25.16	23.13	21.78	21.15						
Mean for month - since 1860	32.89	32.40	31.68	29.71	25.98	24.24	22.67						

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

N O T I C E

Effective with the Monthly Mean Water Level Bulletin for June 1961, the Canadian Hydrographic Service has changed the datum of reference of all the water level and bench mark elevations in the area between Father Point, Quebec and Port Arthur, Ontario, to the International Great Lakes Datum (1955), or IGLD (1955).

To refer to the U. S. Lake Survey datum of 1903 adjustment

1.66 feet must be added at Port Arthur

1.76 feet must be added at Goderich

1.64 feet must be added at Port Colborne

1.05 feet must be added at Kingston

To refer to the Dept. of Public Works datum of 1915 adjustment

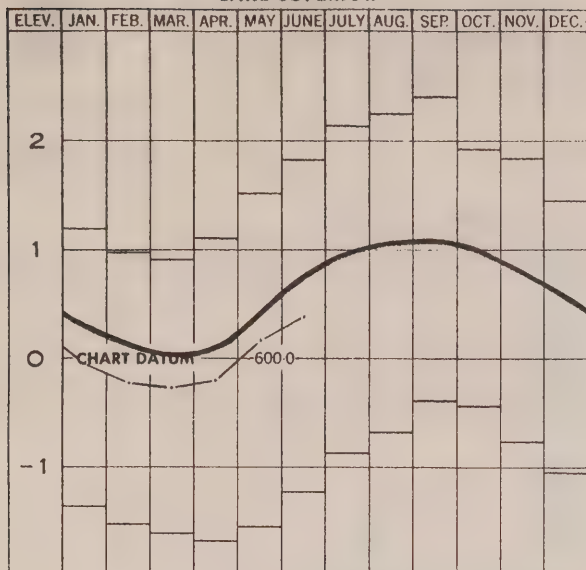
0.08 feet must be added at Montreal, King Edward Pier.

N. G. Gray,
Dominion Hydrographer.

Ottawa

July 6, 1961

LAKE SUPERIOR



CANADA

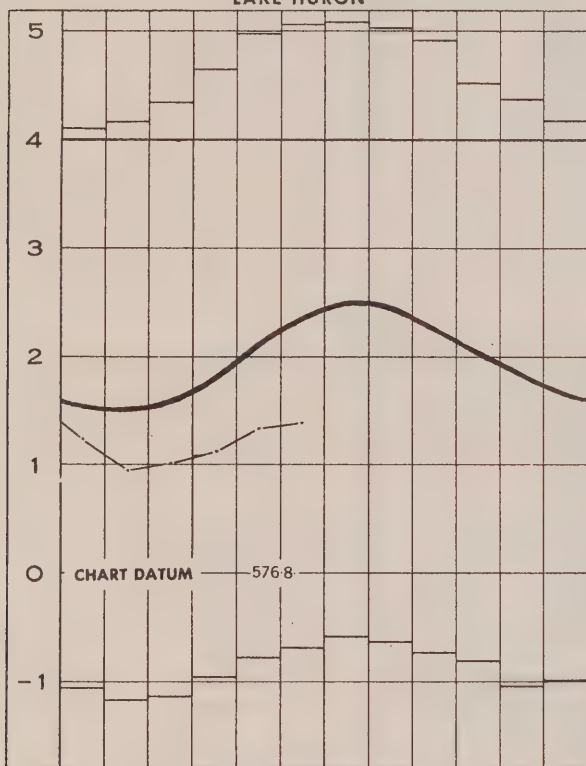
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

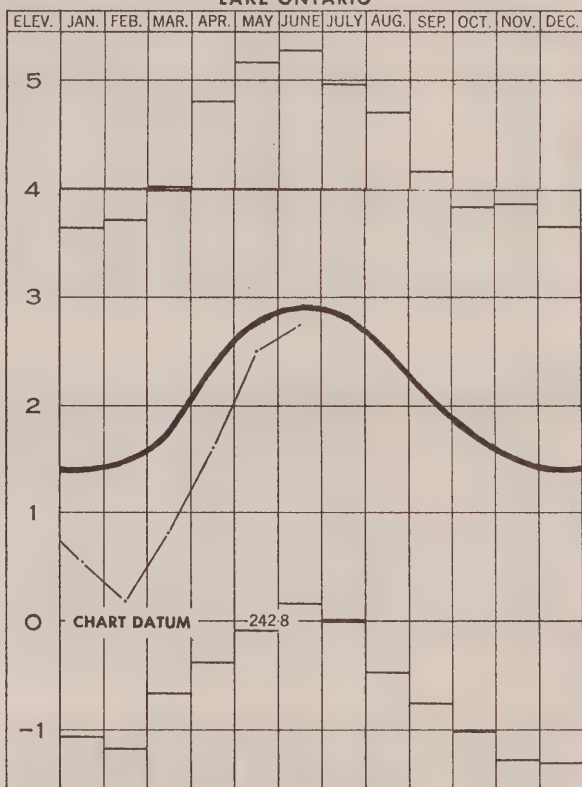
1961

Maximum	-----	PERIOD OF RECORD MONTHLY
Minimum	-----	
Mean	-----	
Mean	-----	

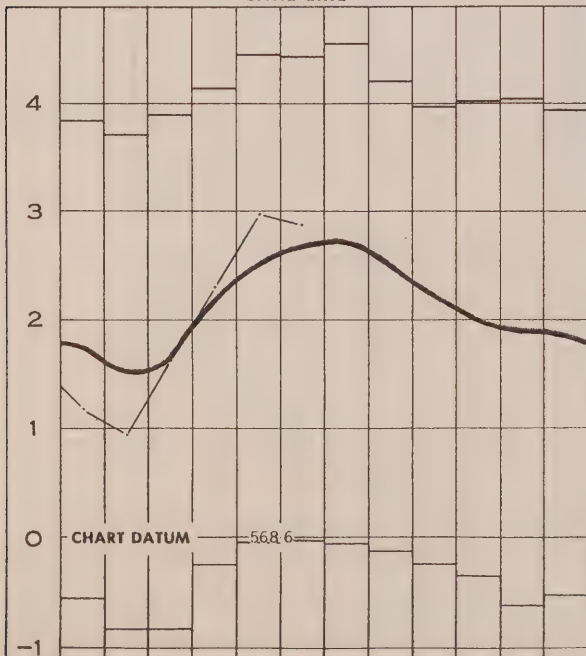
LAKE HURON



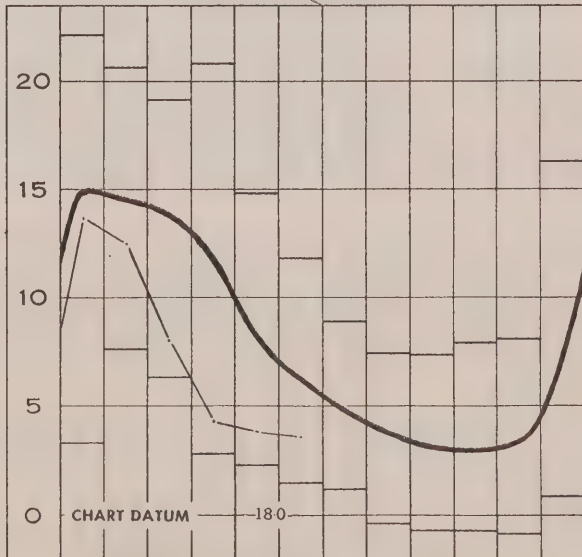
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



ELEVATIONS ARE IN FEET ABOVE CHART DATUM.

WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR

1961



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.95	599.70	599.75	599.80	600.17	600.39							
HIGH LEVEL FOR MONTH	600.39	600.22	600.30	600.30	600.75	600.76							
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306	12/1312							
LOW LEVEL FOR MONTH	599.50	599.28	599.20	599.48	599.46	599.68							
Day and Hour	17/0835	13/2235	4/2153	16/1342	14/1427	1/0035							
HIGHEST DAILY MEAN	600.16	599.96	599.89	599.99	600.34	600.52							
Day	5	13	2	29	19	27							
LOWEST DAILY MEAN	599.77	599.68	599.65	599.67	599.85	600.31							
Day	24	18	15	1	2	1							
Last year's mean for month	600.38	600.11	599.80	599.59	600.73	601.05							
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84							
Year	1952	1952	1951	1951	1951	1916							
Min. mean for month since 1860	598.66	593.48	598.40	598.33	598.46	598.79							
Year	1926	1936	1926	1926	1926	1926							
Mean for month - last 10 years	600.20	599.99	599.85	599.92	600.31	600.64							
Mean for month - since 1860	600.33	600.14	600.04	600.11	600.46	600.75							

LAKE HURON (at Goderich)

MEAN FOR MONTH	578.05	577.76	577.83	577.94	578.14	578.18							
HIGH LEVEL FOR MONTH	578.84	578.53	578.60	578.59	578.67	578.78							
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600	29/2010							
LOW LEVEL FOR MONTH	577.64	577.14	576.92	577.12	577.52	577.64							
Day and Hour	17/0517	13/1600	6/1142	24/0848	6/2100	1/1741							
HIGHEST DAILY MEAN	578.59	578.05	578.34	578.36	578.38	578.42							
Day	8	25	16	2	2	24							
LOWEST DAILY MEAN	577.82	577.50	577.55	577.56	577.85	578.04							
Day	15	13	22	16	6	7							
Last year's mean for month	577.26	577.34	577.19	577.46	578.27	578.74							
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88							
Year	1886	1886	1886	1886	1886	1886							
Min. mean for month since 1860	575.76	575.66	575.69	577.85	578.04	576.13							
Year	1934	1934	1934	1934	1934	1934							
Mean for month - last 10 years	578.18	578.12	578.09	578.28	578.59	578.79							
Mean for month - since 1860	578.35	578.32	578.39	578.60	578.91	579.15							

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.77	569.54	570.22	570.91	571.58	571.48							
HIGH LEVEL FOR MONTH	571.54	571.43	571.26	573.24	572.74	573.27							
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655	23/1950							
LOW LEVEL FOR MONTH	568.20	566.76	567.85	569.52	570.69	569.85							
Day and Hour	15/0829	25/1945	8/1215	16/2132	18/0530	14/1226							
HIGHEST DAILY MEAN	570.54	570.56	570.76	571.95	572.06	571.93							
Day	22	26	28	2	2	23							
LOWEST DAILY MEAN	568.64	568.90	569.45	570.17	571.24	571.13							
Day	15	3	8	12	11	14							
Last year's mean for month	570.19	570.21	569.95	570.56	570.89	571.26							
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04							
Year	1863	1863	1863	1952	1862	1860							
Min. mean for month since 1860	568.03	567.75	567.76	568.34	563.55	568.56							
Year	1935	1935	1934	1935	1934	1934							
Mean for month - last 10 years	570.48	570.34	570.65	571.11	571.42	571.52							
Mean for month - since 1860	570.33	570.11	570.27	570.79	571.11	571.30							

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.35	242.99	243.61	244.39	245.30	245.53							
HIGH LEVEL FOR MONTH	243.86	243.53	244.14	245.40	245.77	246.01							
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013	23/1837							
LOW LEVEL FOR MONTH	242.96	242.49	242.93	243.67	244.78	245.17							
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835	1/1832							
HIGHEST DAILY MEAN	243.59	243.28	243.96	244.95	245.53	245.61							
Day	4	27	30	29	27	2							
LOWEST DAILY MEAN	243.11	242.90	243.23	243.39	244.86	245.47							
Day	26	18	8	1	1	1							
Last year's mean for month	243.74	244.11	244.10	245.09	245.85	246.00							
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07							
Year	1886	1836	1952	1952	1952	1952							
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97							
Year	1935	1936	1935	1935	1935	1935							
Mean for month - last 10 years	244.37	244.43	244.30	245.49	246.14	246.05							
Mean for month - since 1860	244.21	244.27	244.55	245.15	245.55	245.68							

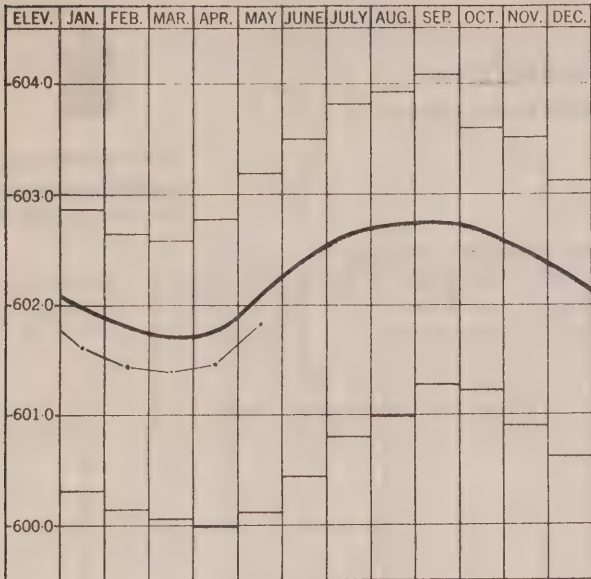
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.64	30.43	25.93	22.31	21.81	21.57							
HIGH LEVEL FOR MONTH	35.34	32.71	31.53	23.72	23.56	22.10							
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307	2/0920							
LOW LEVEL FOR MONTH	23.53	28.17	21.52	21.06	20.84	20.99							
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1112	29/1700							
HIGHEST DAILY MEAN	35.11	32.50	31.37	23.63	23.43	22.02							
Day	22	6	1	1	4	2							
LOWEST DAILY MEAN	24.13	23.49	21.63	21.26	21.02	21.07							
Day	14	20	27	10	13	29							
Last year's mean for month	35.69	37.47	25.86	27.29	26.33	20.77							
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73							
Year	1886	1890	1890	1837	1876	1876							
Min. mean for month since 1860	21.25	25.61	24.31	20.78	20.21	19.46							
Year	1932	1935	1956	1931	1953	1941							
Mean for month - last 10 years	30.47	32.87	27.62	25.16	23.13	21.78							
Mean for month - since 1860	32.29	32.40	31.68	29.71	25.92	24.24							
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

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LAKE SUPERIOR



CANADA

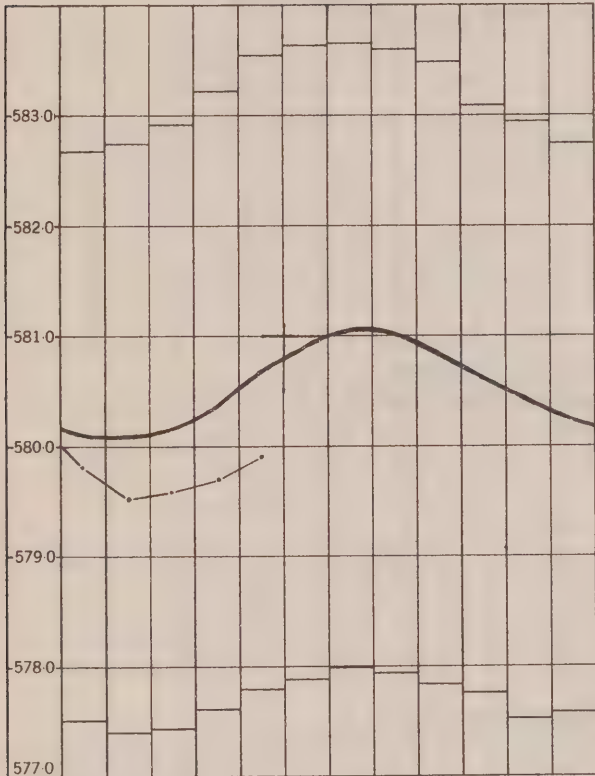
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

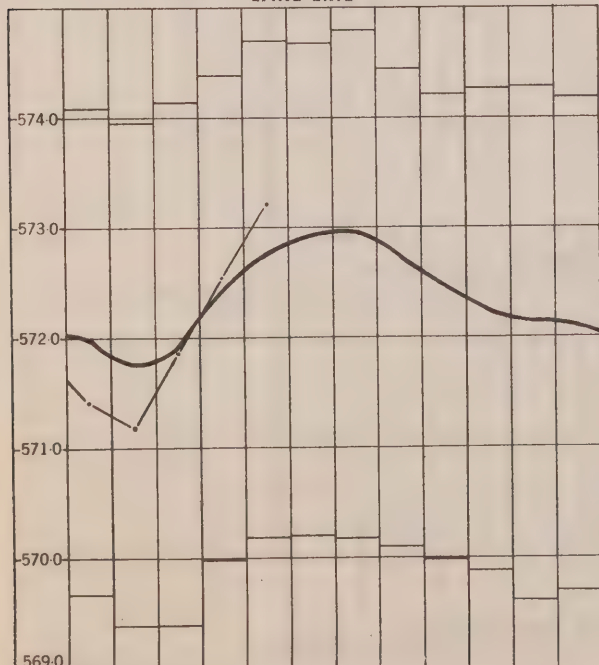
FOR 1961

LEGEND		PERIOD OF RECORD FOR MONTH
MAXIMUM	—	
MINIMUM	—	
MEAN	—	

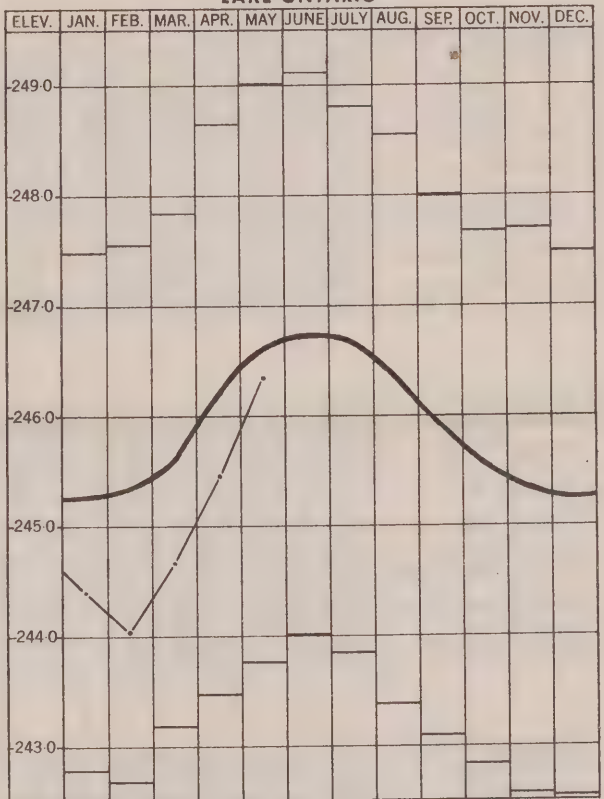
LAKE HURON



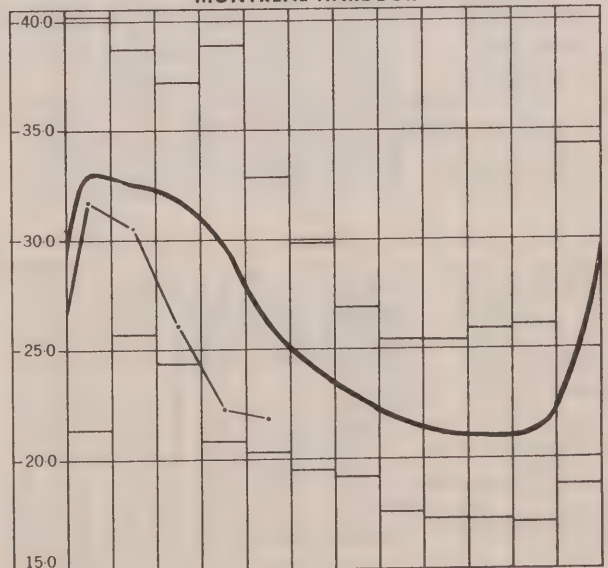
LAKE ERIE



LAKE ONTARIO



MONTREAL HARBOUR



Note: These Hydrographs to be read with the December issue of the "Water Level Bulletin."

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

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WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 61.

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.61	601.45	601.41	601.46	601.83								
HIGH LEVEL FOR MONTH	602.05	601.38	601.96	601.96	602.41								
Day and Hour	6/0600	13/0315	5/1020	21/1339	14/1306								
LOW LEVEL FOR MONTH	601.16	600.94	600.86	601.14	601.12								
Day and Hour	12/0835	13/2235	4/2153	16/1242	14/1427								
HIGHEST DAILY MEAN	601.82	601.52	601.55	601.65	602.00								
Day	5	13	2	29	19								
LOWEST DAILY MEAN	601.43	601.34	601.31	601.33	601.51								
Day	24	18	15	1	2								
Last year's mean for month	602.04	601.77	601.56	601.65	602.39								
Max. mean for month since 1860	602.87	602.65	602.58	602.78	603.19								
Year	1952	1952	1951	1951	1951								
Min. mean for month since 1860	600.32	600.14	600.06	599.99	600.12								
Year	1926	1926	1926	1926	1926								
Mean for month-last 10 years	601.86	601.65	601.51	601.58	601.97								
Mean for month-since 1860	601.99	601.80	601.70	601.77	602.12								

LAKE HURON (at Goderich)

MEAN FOR MONTH	579.81	579.52	579.59	579.70	579.90								
HIGH LEVEL FOR MONTH	580.60	580.29	580.36	580.35	580.43								
Day and Hour	8/0132	25/2000	16/0435	24/0942	2/1600								
LOW LEVEL FOR MONTH	579.40	578.90	578.68	579.33	579.28								
Day and Hour	12/0517	13/1600	6/1142	24/0843	6/2100								
HIGHEST DAILY MEAN	580.35	579.81	580.10	580.12	580.14								
Day	8	25	16	2	2								
LOWEST DAILY MEAN	579.58	579.26	579.31	579.32	579.61								
Day	15	13	22	16	6								
Last year's mean for month	579.02	579.10	578.95	579.22	580.03								
Max. mean for month since 1860	582.67	582.74	582.93	583.22	583.55								
Year	1886	1886	1886	1886	1886								
Min. mean for month since 1860	577.52	577.42	577.45	577.61	577.80								
Year	1934	1934	1934	1934	1934								
Mean for month-last 10 years	579.94	579.38	579.85	580.04	580.35								
Mean for month-since 1860	580.11	580.08	580.15	580.36	580.67								

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	571.41	571.13	571.86	572.55	573.22								
HIGH LEVEL FOR MONTH	573.18	573.07	572.90	574.88	574.38								
Day and Hour	22/0302	26/0255	15/0543	16/1413	2/1655								
LOW LEVEL FOR MONTH	569.84	568.40	569.49	571.16	572.33								
Day and Hour	15/0829	25/1345	9/1215	16/2132	18/0530								
HIGHEST DAILY MEAN	572.18	572.20	572.40	573.59	573.70								
Day	22	26	28	2	2								
LOWEST DAILY MEAN	570.28	570.54	571.09	571.81	572.88								
Day	15	3	8	12	11								
Last year's mean for month	571.83	571.35	571.59	572.20	572.53								
Max. mean for month since 1860	574.08	573.96	574.14	574.39	574.70								
Year	1863	1863	1863	1952	1862								
Min. mean for month since 1860	569.67	569.39	569.40	569.98	570.19								
Year	1935	1935	1934	1935	1934								
Mean for month-last 10 years	572.12	571.98	572.29	572.75	573.06								
Mean for month-since 1860	571.97	571.75	571.91	572.43	572.75								

LAKE ONTARIO (at Kingston)

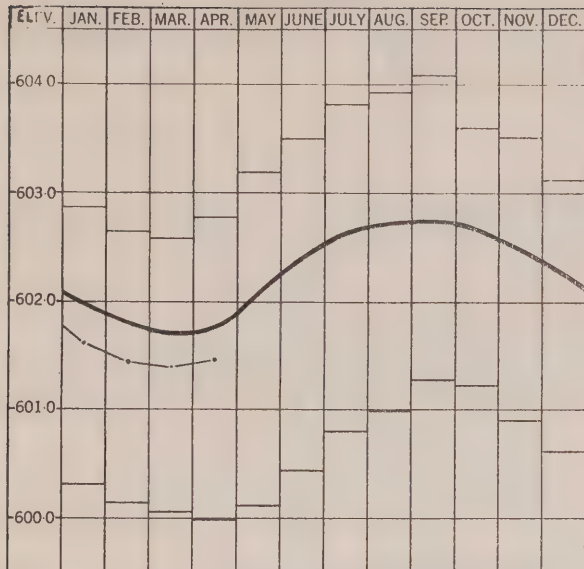
MEAN FOR MONTH	244.40	244.04	244.66	245.44	246.35								
HIGH LEVEL FOR MONTH	244.91	244.58	245.19	246.45	246.82								
Day and Hour	8/0200	26/1950	29/2100	26/0800	15/2013								
LOW LEVEL FOR MONTH	244.01	243.54	243.98	244.72	245.83								
Day and Hour	15/0200	25/2355	6/1620	1/0244	6/1835								
HIGHEST DAILY MEAN	244.64	244.33	245.01	246.00	246.58								
Day	4	27	30	29	27								
LOWEST DAILY MEAN	244.16	243.35	244.28	245.03	245.91								
Day	26	18	8	1	1								
Last year's mean for month	244.79	245.16	245.15	246.14	246.90								
Max. mean for month since 1860	247.48	247.55	247.84	248.66	249.01								
Year	1886	1886	1952	1952	1952								
Min. mean for month since 1860	242.78	242.68	243.18	243.47	243.77								
Year	1935	1936	1935	1935	1935								
Mean for month-last 10 years	245.42	245.48	245.35	246.54	247.19								
Mean for month-since 1860	245.26	245.32	245.60	246.20	246.60								

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.72	30.51	26.01	22.39	21.99								
HIGH LEVEL FOR MONTH	35.42	32.79	31.61	23.80	23.64								
Day and Hour	22/0530	6/0011	1/0001	1/0100	4/2307								
LOW LEVEL FOR MONTH	23.61	28.25	21.60	21.14	20.92								
Day and Hour	14/0450	20/1140	27/1230	10/1618	14/1113								
HIGHEST DAILY MEAN	35.19	32.58	31.45	23.71	23.51								
Day	22	6	1	1	4								
LOWEST DAILY MEAN	24.21	28.57	21.71	21.34	21.10								
Day	14	20	27	10	13								
Last year's mean for month	35.77	37.55	25.94	27.37	26.41								
Max. mean for month since 1860	40.22	38.74	37.20	38.92	32.87								
Year	1886	1890	1890	1887	1876								
Min. mean for month since 1860	21.33	25.69	24.39	20.96	20.29								
Year	1932	1935	1956	1931	1958								
Mean for month-last 10 years	30.55	32.95	27.76	25.24	23.21								
Mean for month-since 1860	32.97	32.48	31.76	29.79	26.06								

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

LAKE SUPERIOR



CANADA

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

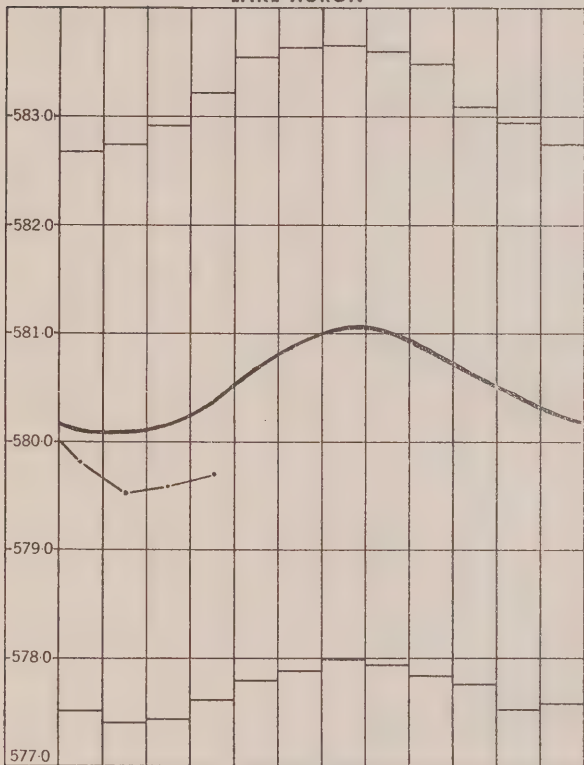
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1961

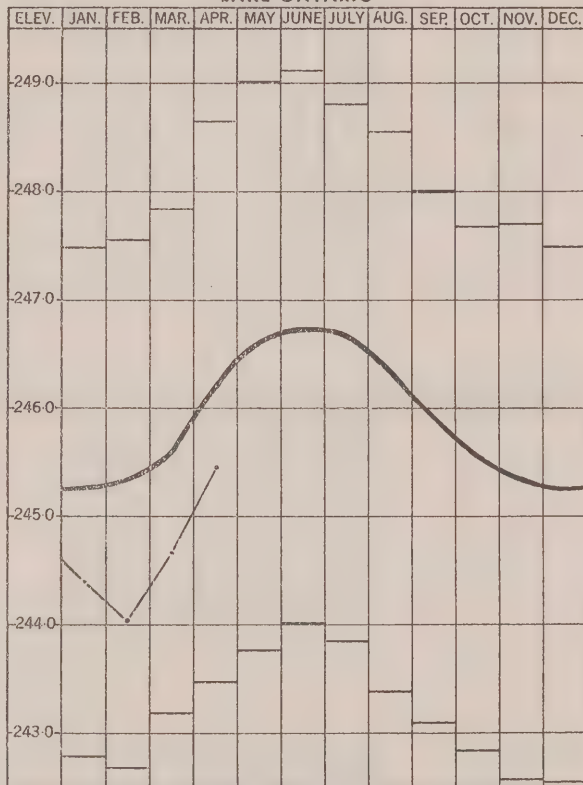
LEGEND

MAXIMUM		PERIOD
MINIMUM		OF
MEAN		RECORD
MEAN		FOR MONTH

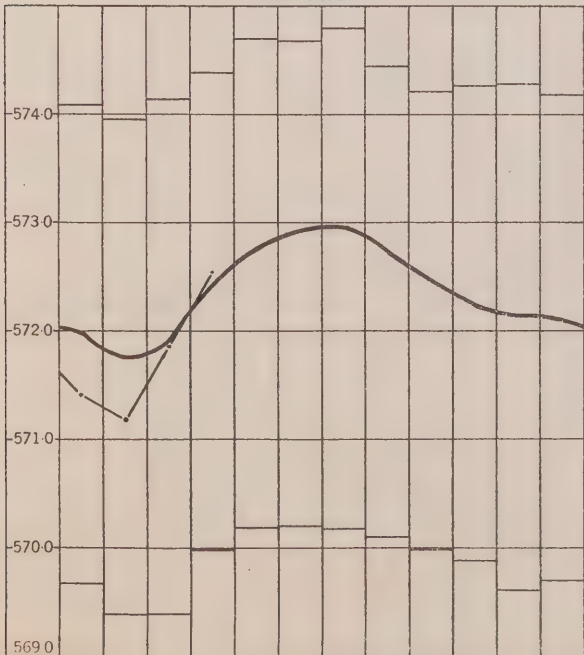
LAKE HURON



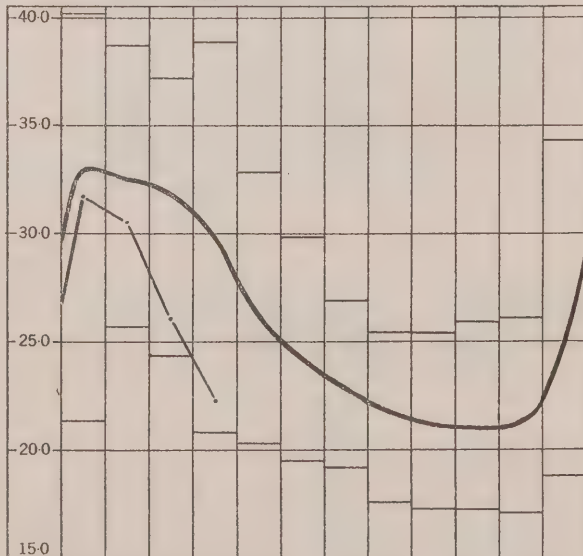
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



Note: These Hydrographs to be read with the December issue of the "Water Level Bulletin."

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.



WATER LEVEL BULLETIN

GREAT LAKES AND (MONTREAL HARBOUR)

Laurence River.

INLAND WATER LEVELS

FOR 19 61

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.61	601.45	601.41	601.46									
HIGH LEVEL FOR MONTH	602.05	601.88	601.96	601.96									
Day and Hour	6/0600	13/0115	5/1020	21/1339									
LOW LEVEL FOR MONTH	601.16	600.94	600.86	601.14									
Day and Hour	17/0835	18/2235	4/2159	16/1242									
HIGHEST DAILY MEAN	601.82	601.52	601.55	601.65									
Day	5	13	2	23									
LOWEST DAILY MEAN	601.43	601.34	601.31	601.33									
Day	24	18	15	7									
Last year's mean for month	602.04	601.77	601.56	601.65									
Max. mean for month since 1860	602.87	602.65	602.58	602.78									
Year	1952	1952	1951	1951									
Min. mean for month since 1860	600.32	600.14	600.06	599.99									
Year	1926	1926	1926	1926									
Mean for month - last 10 years	601.86	601.65	601.51	601.58									
Mean for month - since 1860	601.99	601.80	601.70	601.77									

LAKE HURON (at Goderich)

MEAN FOR MONTH	579.81	579.52	579.59	579.70									
HIGH LEVEL FOR MONTH	580.60	580.29	580.36	580.35									
Day and Hour	8/0132	25/2000	16/0435	24/0342									
LOW LEVEL FOR MONTH	579.40	578.90	578.68	578.88									
Day and Hour	17/0517	13/1600	6/1142	24/0848									
HIGHEST DAILY MEAN	580.35	579.81	580.10	580.14									
Day	8	25	16	2									
LOWEST DAILY MEAN	579.58	579.26	579.21	579.52									
Day	15	13	22	16									
Last year's mean for month	579.02	579.10	578.95	579.22									
Max. mean for month since 1860	582.67	582.74	582.93	583.22									
Year	1886	1886	1886	1886									
Min. mean for month since 1860	577.52	577.42	577.45	577.61									
Year	1934	1934	1934	1934									
Mean for month - last 10 years	579.94	579.38	579.35	580.04									
Mean for month - since 1860	580.11	580.08	580.15	580.26									

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	571.41	571.18	571.86	572.55									
HIGH LEVEL FOR MONTH	573.18	573.07	572.90	574.88									
Day and Hour	22/0302	26/0255	15/0543	16/1413									
LOW LEVEL FOR MONTH	569.84	568.40	569.49	571.16									
Day and Hour	15/0829	25/1945	8/1215	16/2132									
HIGHEST DAILY MEAN	572.18	572.20	572.40	573.59									
Day	22	26	28	2									
LOWEST DAILY MEAN	570.28	570.54	571.09	571.81									
Day	15	3	8	12									
Last year's mean for month	571.83	571.85	571.59	572.20									
Max. mean for month since 1860	574.08	573.96	574.14	574.39									
Year	1863	1863	1863	1952									
Min. mean for month since 1860	569.67	569.39	569.40	569.98									
Year	1935	1935	1934	1935									
Mean for month - last 10 years	572.12	571.98	572.29	572.75									
Mean for month - since 1860	571.97	571.75	571.91	572.43									

LAKE ONTARIO (at Kingston)

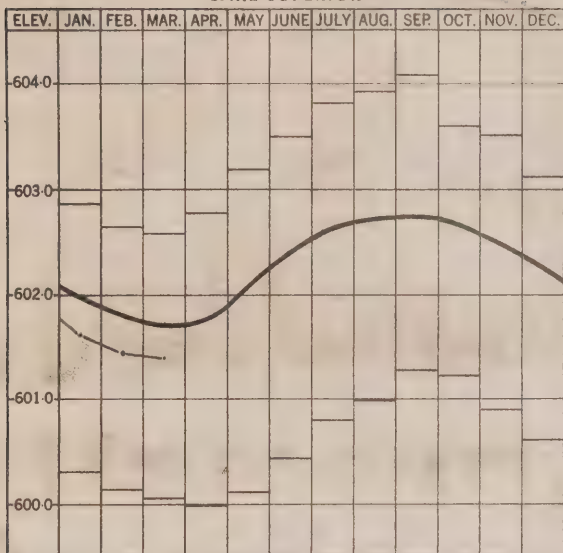
MEAN FOR MONTH	244.40	244.04	244.66	245.44									
HIGH LEVEL FOR MONTH	244.91	244.58	245.19	246.45									
Day and Hour	8/0200	26/1950	29/2100	26/0800									
LOW LEVEL FOR MONTH	244.01	243.54	243.98	244.72									
Day and Hour	15/0200	25/2355	6/1620	1/0244									
HIGHEST DAILY MEAN	244.64	244.33	245.01	246.00									
Day	4	27	30	29									
LOWEST DAILY MEAN	244.16	243.85	244.28	245.03									
Day	26	18	8	1									
Last year's mean for month	244.79	245.16	245.15	246.14									
Max. mean for month since 1860	247.48	247.55	247.84	248.66									
Year	1886	1886	1952	1952									
Min. mean for month since 1860	242.78	242.68	243.18	243.47									
Year	1935	1936	1935	1935									
Mean for month - last 10 years	245.42	245.48	245.85	246.54									
Mean for month - since 1860	245.26	245.32	245.60	246.20									

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.72	30.51	26.01	22.39									
HIGH LEVEL FOR MONTH	35.42	32.79	31.61	23.80									
Day and Hour	22/0530	6/0013	1/0001	1/0100									
LOW LEVEL FOR MONTH	23.61	28.25	21.60	21.11									
Day and Hour	14/0450	20/1140	27/1230	10/1618									
HIGHEST DAILY MEAN	35.19	32.58	31.45	23.71									
Day	22	6	1	1									
LOWEST DAILY MEAN	24.21	28.57	21.71	21.34									
Day	14	20	27	10									
Last year's mean for month	35.77	37.55	25.94	27.37									
Max. mean for month since 1860	40.22	38.74	37.20	34.92									
Year	1886	1890	1890	1887									
Min. mean for month since 1860	21.33	25.69	24.39	20.96									
Year	1932	1935	1956	1931									
Mean for month - last 10 years	30.55	32.35	27.76	26.24									
Mean for month - since 1860	32.97	32.48	31.76	29.79									

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

LAKE SUPERIOR



CANADA

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

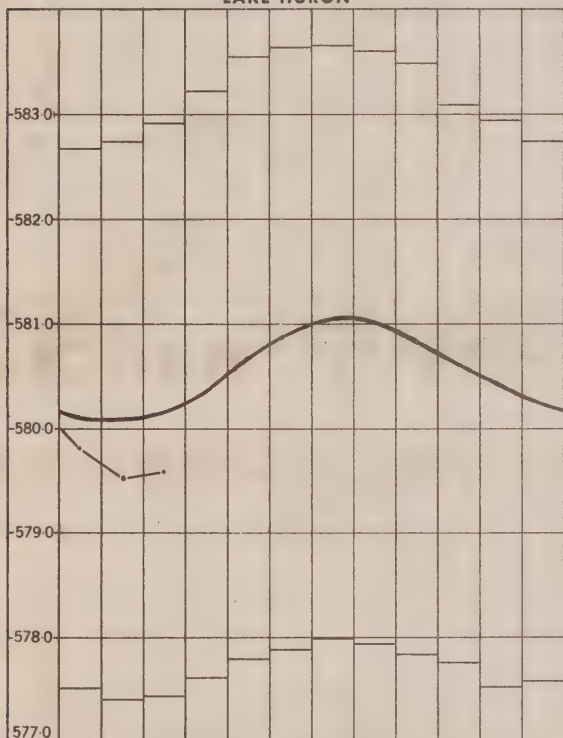
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1961

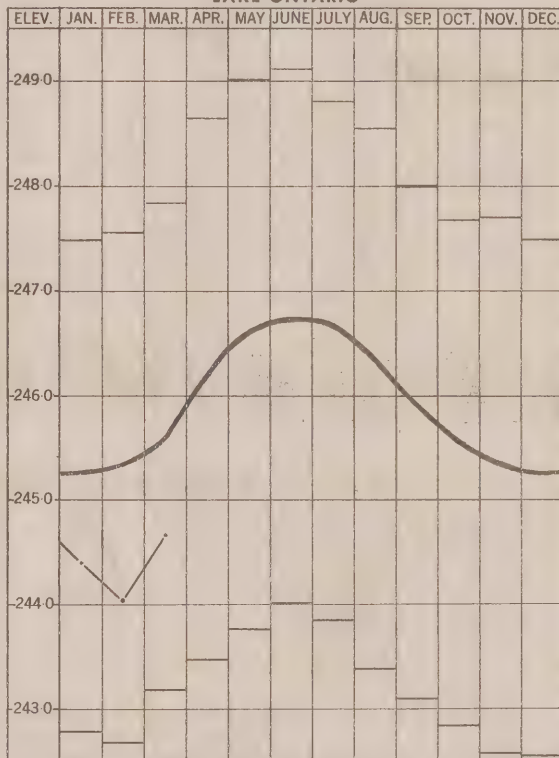
LEGEND

MAXIMUM	PERIOD OF RECORD
MINIMUM	FOR MONTH
MEAN	
MEAN	

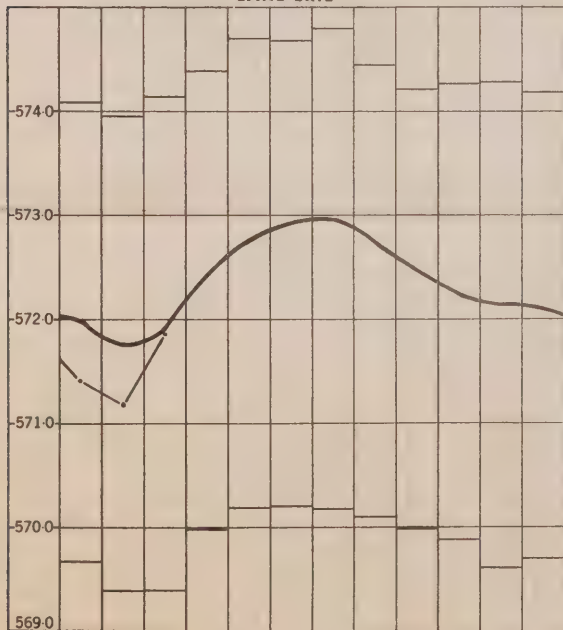
LAKE HURON



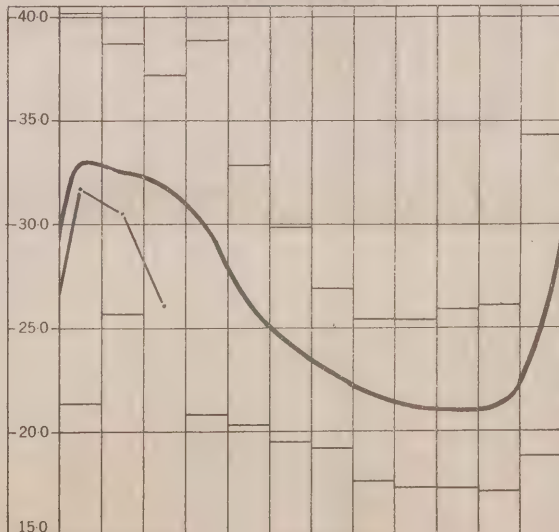
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



Note: These Hydrographs to be read with the December issue of the "Water Level Bulletin."

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR

St. Lawrence River



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 61

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.61	601.45	601.41										
HIGH LEVEL FOR MONTH	601.06	601.33	601.06										
Day and Hour	6/0600	13/0315	5/1020										
LOW LEVEL FOR MONTH	601.14	600.74	600.86										
Day and Hour	17/0835	18/2235	4/2153										
HIGHEST DAILY MEAN	601.82	601.52	601.55										
Day	5	13	2										
LOWEST DAILY MEAN	601.43	601.34	601.31										
Day	24	18	15										
Last year's mean for month	602.02	601.77	601.56										
Max. mean for month since 1860	602.87	602.65	602.58										
Year	1952	1952	1951										
Min. mean for month since 1860	600.32	600.14	600.66										
Year	1926	1926	1926										
Mean for month - last 10 years	601.86	601.65	601.51										
Mean for month - since 1860	601.99	601.80	601.70										

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	579.31	579.52	579.59										
HIGH LEVEL FOR MONTH	580.60	580.29	580.36										
Day and Hour	3/0132	25/2000	16/0435										
LOW LEVEL FOR MONTH	579.40	578.90	578.68										
Day and Hour	17/0117	13/1600	6/3142										
HIGHEST DAILY MEAN	580.45	579.81	580.10										
Day	8	25	16										
LOWEST DAILY MEAN	579.58	579.26	579.31										
Day	15	13	22										
Last year's mean for month	579.02	579.10	578.95										
Max. mean for month since 1860	582.67	582.74	582.93										
Year	1886	1886	1886										
Min. mean for month since 1860	577.12	577.42	577.45										
Year	1934	1934	1934										
Mean for month - last 10 years	579.94	579.88	579.85										
Mean for month - since 1860	580.11	580.08	580.15										

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	571.41	571.18	571.86										
HIGH LEVEL FOR MONTH	573.18	573.07	572.90										
Day and Hour	22/0302	26/0255	15/0543										
LOW LEVEL FOR MONTH	569.84	568.40	569.49										
Day and Hour	15/0829	25/1945	8/1215										
HIGHEST DAILY MEAN	572.18	572.20	572.40										
Day	22	26	28										
LOWEST DAILY MEAN	570.28	570.54	571.09										
Day	15	3	8										
Last year's mean for month	571.83	571.35	571.59										
Max. mean for month since 1860	574.08	573.96	574.14										
Year	1863	1863	1863										
Min. mean for month since 1860	569.67	569.39	569.40										
Year	1935	1935	1934										
Mean for month - last 10 years	571.91	571.22	572.29										
Mean for month - since 1860	571.91	571.75	571.91										

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	244.71	244.04	244.66										
HIGH LEVEL FOR MONTH	244.91	244.58	245.19										
Day and Hour	3/0200	26/1250	29/2100										
LOW LEVEL FOR MONTH	242.01	243.54	243.98										
Day and Hour	15/0200	25/2255	6/1620										
HIGHEST DAILY MEAN	244.64	244.33	245.01										
Day	4	27	30										
LOWEST DAILY MEAN	244.16	243.35	244.28										
Day	26	13	3										
Last year's mean for month	244.79	245.16	245.15										
Max. mean for month since 1860	247.48	247.55	247.94										
Year	1886	1886	1952										
Min. mean for month since 1860	242.78	242.69	243.18										
Year	1935	1936	1935										
Mean for month - last 10 years	245.42	245.48	245.35										
Mean for month - since 1860	245.26	245.32	245.60										

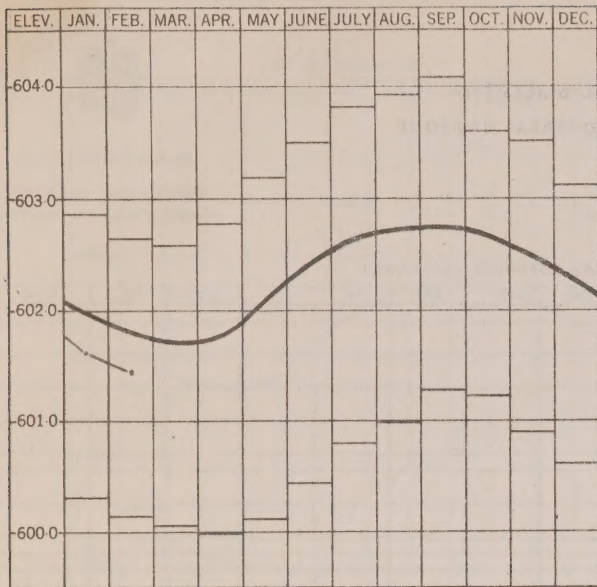
MONTREAL HARBOUR (at King Edward Pier)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	31.72	30.51	26.01										
HIGH LEVEL FOR MONTH	33.42	32.79	31.61										
Day and Hour	22/0530	6/0011	1/0001										
LOW LEVEL FOR MONTH	23.61	28.25	21.60										
Day and Hour	14/0450	20/1140	27/1230										
HIGHEST DAILY MEAN	35.19	32.58	31.45										
Day	22	6	1										
LOWEST DAILY MEAN	24.21	23.57	21.71										
Day	14	20	27										
Last year's mean for month	35.77	37.55	25.94										
Max. mean for month since 1860	40.22	38.74	37.20										
Year	1886	1890	1890										
Min. mean for month since 1860	21.33	25.69	24.39										
Year	1932	1935	1956										
Mean for month - last 10 years	30.55	32.95	27.76										
Mean for month - since 1860	32.97	32.48	31.76										

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

Canada Hydrographic

LAKE SUPERIOR



CANADA

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INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

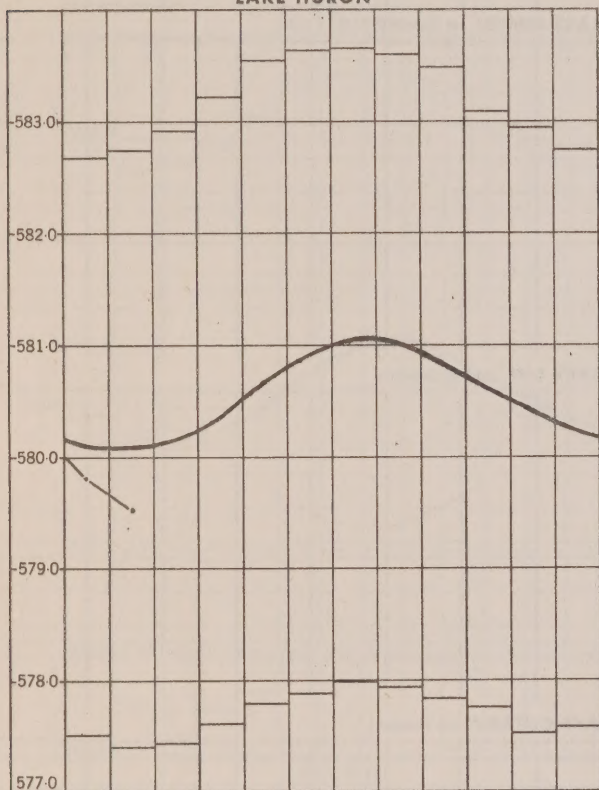
MONTHLY MEAN WATER LEVELS
GREAT LAKES AND MONTREAL HARBOUR

FOR 1961

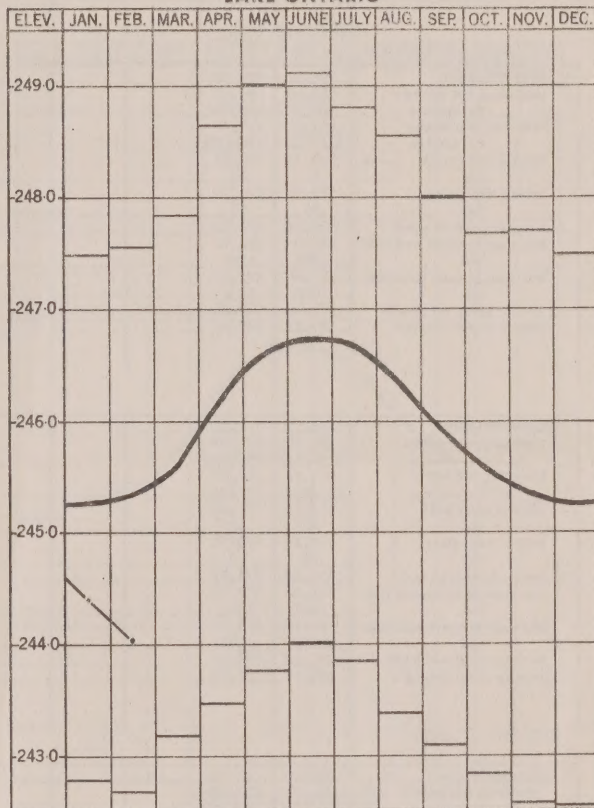
LEGEND

MAXIMUM		PERIOD
MINIMUM		OF
MEAN		RECORD
MEAN		FOR MONTH

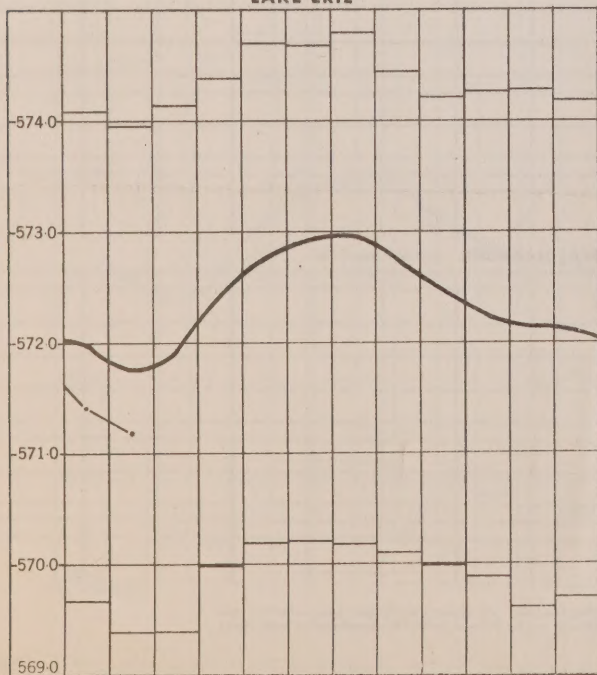
LAKE HURON



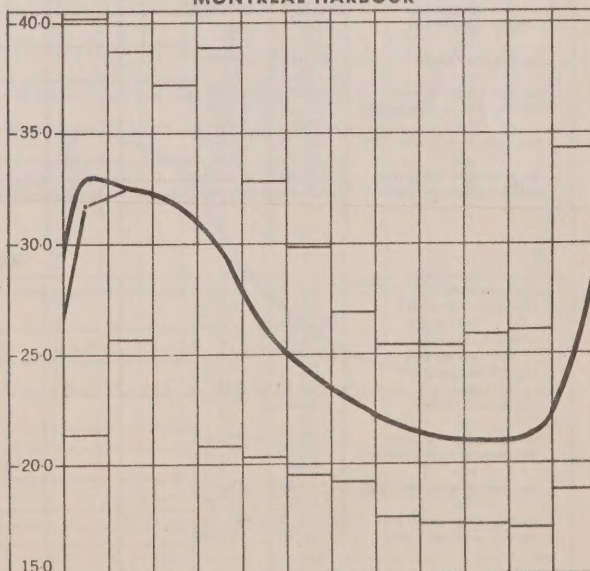
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



Note: These Hydrographs to be read with the December issue of the "Water Level Bulletin."

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment

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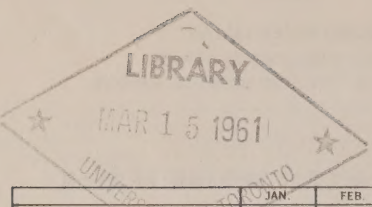
Canada, Hydrographic and Map Service
III

SCL MED. DIV.



WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR) St. Lawrence
River.

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



FOR 19 61

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.61	601.45											
HIGH LEVEL FOR MONTH	602.05	601.48											
Day and Hour	6/0600	13/0315											
LOW LEVEL FOR MONTH	601.16	600.74											
Day and Hour	17/0835	13/2235											
HIGHEST DAILY MEAN	601.82	601.52											
Day	5	13											
LOWEST DAILY MEAN	601.43	601.34											
Day	24	18											
Last year's mean for month	602.04	601.77											
Max. mean for month since 1860	602.87	602.65											
Year	1952	1952											
Min. mean for month since 1860	600.32	600.14											
Year	1926	1926											
Mean for month - last 10 years	601.86	601.65											
Mean for month - since 1860	601.99	601.80											

LAKE HURON (at Goderich)

MEAN FOR MONTH	579.81	579.52											
HIGH LEVEL FOR MONTH	580.60	580.29											
Day and Hour	8/0132	25/2000											
LOW LEVEL FOR MONTH	579.40	578.90											
Day and Hour	17/0517	13/1600											
HIGHEST DAILY MEAN	580.35	579.81											
Day	8	25											
LOWEST DAILY MEAN	579.58	579.26											
Day	15	13											
Last year's mean for month	579.02	579.10											
Max. mean for month since 1860	582.67	582.74											
Year	1886	1886											
Min. mean for month since 1860	577.52	577.42											
Year	1934	1934											
Mean for month - last 10 years	579.94	579.38											
Mean for month - since 1860	580.11	580.08											

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	571.41	571.13											
HIGH LEVEL FOR MONTH	573.18	573.07											
Day and Hour	22/0302	26/0255											
LOW LEVEL FOR MONTH	569.84	568.40											
Day and Hour	15/0829	25/1945											
HIGHEST DAILY MEAN	572.18	572.20											
Day	22	26											
LOWEST DAILY MEAN	570.28	570.54											
Day	15	3											
Last year's mean for month	571.83	571.35											
Max. mean for month since 1860	574.08	573.76											
Year	1863	1863											
Min. mean for month since 1860	569.67	569.39											
Year	1935	1935											
Mean for month - last 10 years	572.12	571.28											
Mean for month - since 1860	571.97	571.75											

LAKE ONTARIO (at Kingston)

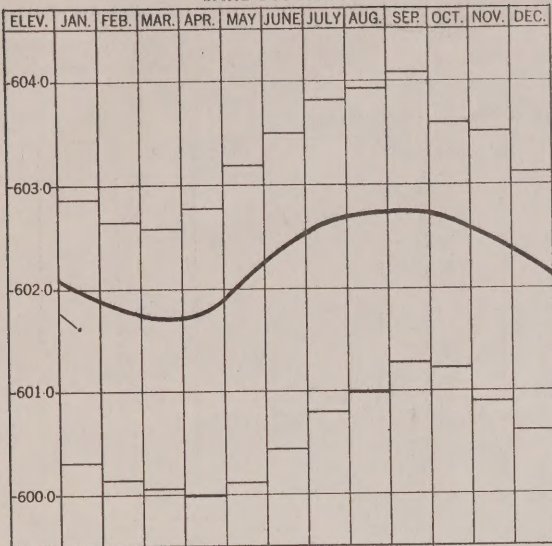
MEAN FOR MONTH	244.40	244.04											
HIGH LEVEL FOR MONTH	244.91	244.58											
Day and Hour	8/0200	26/1950											
LOW LEVEL FOR MONTH	244.01	243.54											
Day and Hour	15/0200	25/2355											
HIGHEST DAILY MEAN	244.64	244.33											
Day	4	27											
LOWEST DAILY MEAN	244.16	243.35											
Day	26	18											
Last year's mean for month	244.79	245.16											
Max. mean for month since 1860	247.48	247.55											
Year	1886	1886											
Min. mean for month since 1860	242.78	242.68											
Year	1935	1936											
Mean for month - last 10 years	245.42	245.48											
Mean for month - since 1860	245.26	245.32											

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.72	30.51											
HIGH LEVEL FOR MONTH	35.42	32.79											
Day and Hour	22/0530	6/0011											
LOW LEVEL FOR MONTH	23.61	28.25											
Day and Hour	14/0450	20/1140											
HIGHEST DAILY MEAN	35.19	32.58											
Day	22	6											
LOWEST DAILY MEAN	24.21	28.57											
Day	14	20											
Last year's mean for month	35.77	37.55											
Max. mean for month since 1860	40.22	38.74											
Year	1886	1890											
Min. mean for month since 1860	21.33	25.69											
Year	1932	1935											
Mean for month - last 10 years	30.55	32.25											
Mean for month - since 1860	32.97	32.48											

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

LAKE SUPERIOR



CANADA

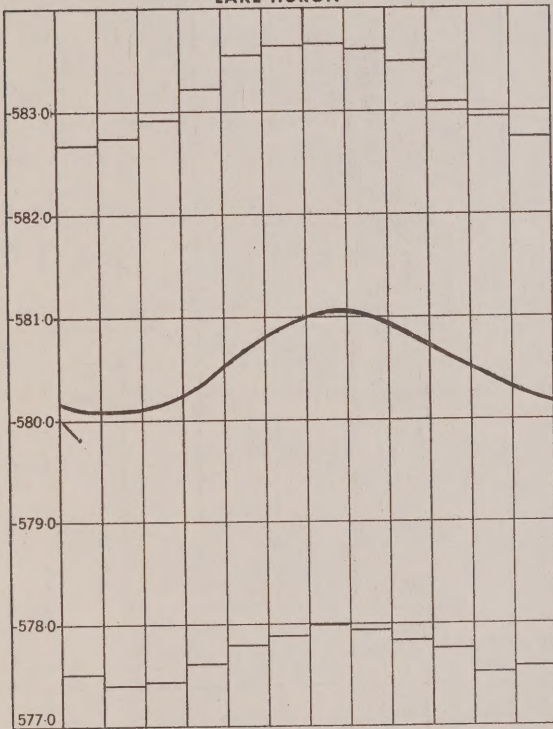
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

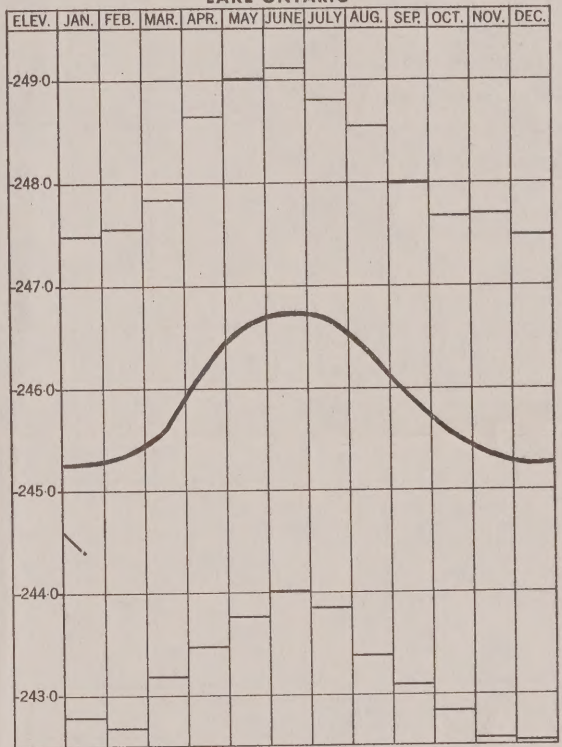
FOR 1961

LEGEND		PERIOD OF RECORD FOR MONTH
MAXIMUM	_____	
MINIMUM	_____	
MEAN	_____	
MEAN	_____	

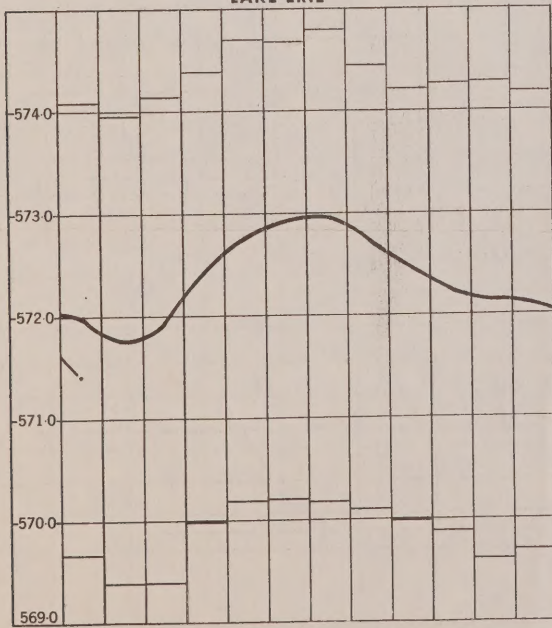
LAKE HURON



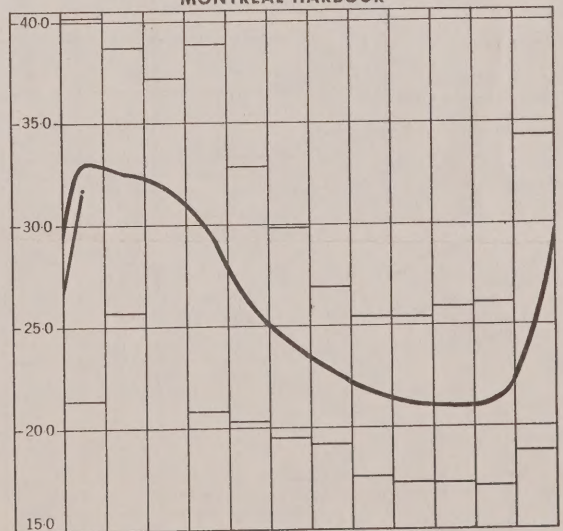
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



Note: These Hydrographs to be read with the December issue of the "Water Level Bulletin."

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

Canada Hydrographic & Map Service

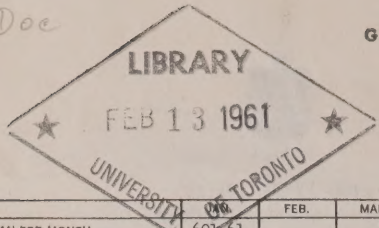
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WATER LEVEL BULLETIN *for the*
GREAT LAKES AND (MONTREAL HARBOUR) St. Lawrence
River.



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



FOR 19 61

LAKE SUPERIOR (at Port Arthur)

		FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	602.61												
HIGH LEVEL FOR MONTH	602.05												
Day and Hour	67/0600												
LOW LEVEL FOR MONTH	601.16												
Day and Hour	17/0835												
HIGHEST DAILY MEAN	601.82												
Day	5												
LOWEST DAILY MEAN	601.43												
Day	24												
Last year's mean for month	602.04												
Max. mean for month since 1860	602.87												
Year	1952												
Min. mean for month since 1860	600.32												
Year	1926												
Mean for month - last 10 years	601.86												
Mean for month - since 1860	601.99												

LAKE HURON (at Goderich)

MEAN FOR MONTH	579.81												
HIGH LEVEL FOR MONTH	580.60												
Day and Hour	8/0132												
LOW LEVEL FOR MONTH	579.40												
Day and Hour	17/0517												
HIGHEST DAILY MEAN	580.35												
Day	8												
LOWEST DAILY MEAN	579.58												
Day	15												
Last year's mean for month	579.02												
Max. mean for month since 1860	582.67												
Year	1886												
Min. mean for month since 1860	577.52												
Year	1934												
Mean for month - last 10 years	579.94												
Mean for month - since 1860	580.11												

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	571.41												
HIGH LEVEL FOR MONTH	573.18												
Day and Hour	22/0302												
LOW LEVEL FOR MONTH	569.84												
Day and Hour	15/0829												
HIGHEST DAILY MEAN	572.18												
Day	22												
LOWEST DAILY MEAN	570.28												
Day	15												
Last year's mean for month	571.83												
Max. mean for month since 1860	574.08												
Year	1863												
Min. mean for month since 1860	569.67												
Year	1935												
Mean for month - last 10 years	572.12												
Mean for month - since 1860	571.97												

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	244.40												
HIGH LEVEL FOR MONTH	244.91												
Day and Hour	3/0200												
LOW LEVEL FOR MONTH	244.01												
Day and Hour	15/0200												
HIGHEST DAILY MEAN	244.64												
Day	4												
LOWEST DAILY MEAN	244.16												
Day	26												
Last year's mean for month	244.79												
Max. mean for month since 1860	247.48												
Year	1886												
Min. mean for month since 1860	242.78												
Year	1935												
Mean for month - last 10 years	245.62												
Mean for month - since 1860	245.26												

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	31.72												
HIGH LEVEL FOR MONTH	35.42												
Day and Hour	22/0530												
LOW LEVEL FOR MONTH	23.61												
Day and Hour	14/0450												
HIGHEST DAILY MEAN	35.19												
Day	22												
LOWEST DAILY MEAN	24.21												
Day	14												
Last year's mean for month	35.77												
Max. mean for month since 1860	40.22												
Year	1886												
Min. mean for month since 1860	21.33												
Year	1932												
Mean for month - last 10 years	30.55												
Mean for month - since 1860	32.97												

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.